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Tachinid (*Winthemia*?) ovipositing on larva of whitelined sphinx moth, *Hyles lineata* (Fabricius). Courtesy of Robert W. Mitchell, Texas Tech University.

A Host-Parasite Catalog of North American Tachinidae (Diptera)

By Paul H. Arnaud, Jr.

Miscellaneous Publication No. 1319

Science and Education Administration
UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C.

Issued June 1978

ACKNOWLEDGMENTS

Thanks are extended to Dr. George E. Lindsay, Director of the California Academy of Sciences, for his administrative support of this project. Dr. Curtis W. Sabrosky, Systematic Entomology Laboratory, Science and Education Administration, USDA, was technical representative and I would like to acknowledge his continuous aid and advice on editorial matters and for taxonomic advice on the Tachinidae. Thanks are due to the entomologists of the Systematic Entomology Laboratory and the Smithsonian Institution at the National Museum of Natural History for their checking several thousand host names.

This catalog is dedicated to those persons who have published on the biology of the Tachinidae and to those who have contributed their time and skill to bring it to completion. The preparation was made possible by a United States Department of Agriculture contract with the California Academy of Sciences (RMA Contract No. 12-14-100-8315 (33)).

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A Host-Parasite Catalog of North American Tachinidae (Diptera)

By Paul H. Arnaud, Jr., *curator and chairman, Department of Entomology,
California Academy of Sciences, and associate, California Agricultural
Experiment Station, Science and Education Administration*

The Tachinidae are the most important of the dipterous families with entomophagous habits. Though often little noticed, these flies have an important role in controlling phytophagous Insecta.

In 1897 Coquillett published a list of tachinid-host relationships, in which he enumerated 84 species of Tachinidae from 183 host species.

The purpose of this catalog is to bring together the published host associations of the North American Tachinidae. Unpublished rearings are not included. Over 2,200 papers were reviewed. This catalog lists 519 tachinid species (with an additional 226 of incomplete or uncertain determination) in 261 genera from 1,049 different host species (with an additional 355 of incomplete or uncertain determination). Except for secondary references that furnish new information, or that might be more readily available than the original, only primary references have been included.

Thaddeus William Harris, M.D., in 1841 published the first North American host record for the family Tachinidae. The literature reported here is from 1841 through 1969.

The region covered is North America from Panama (Canal Zone) north, the West Indies (Greater and Lesser Antilles, excluding Trinidad and Tobago), the Hawaiian Islands, and Greenland. The Hawaiian Islands are included because their tachinid fauna consists primarily of introduced North American species.

This catalog is divided into five parts. Bibliographic information is contained only in the section on parasites. The other sections must be used in conjunction with it. Although no general index is provided, parasite and host names are indexed in their respective sections.

Many publications were used in compiling this catalog. Over 370 serial publications, including the following entomological journals, were examined:

Acadian Entomological Society Proceedings
American Entomological Society Transactions
The American Entomologist

Brooklyn Entomological Society Bulletin
The Canadian Entomologist
The Canadian Insect Pest Review
Cooperative Economic Insect Report
Entomologica Americana
Entomological News
Entomological Society of America Annals
Entomological Society of British Columbia Journal
Entomological Society of Canada Memoirs
Entomological Society of Nova Scotia Proceedings
Entomological Society of Ontario Proceedings
Entomological Society of Philadelphia Proceedings
Entomological Society of Washington Proceedings
The Florida Entomologist (The Florida Buggist)
Georgia Entomological Society Journal
Hawaiian Entomological Society Proceedings
Insect Life
The Insect Pest Survey Bulletin
Insecutor Inscitiae Menstruus
Journal of Economic Entomology
Kansas Entomological Society Journal
Lepidopterists' Society Journal
New York Entomological Society Journal
The Pan-Pacific Entomologist
The Practical Entomologist
Psyche, A Journal of Entomology
U.S. Department of Agriculture, Division of Entomology,
Bulletin
U.S. Department of Agriculture, Division of Entomology, Technical Series
University of California Publications in Entomology

The Entomological Society of America's "Index to the Literature of American Economic Entomology," volumes 1 through 18 (published 1917-59) provided hundreds of references.

Major articles cataloged include those published by Schaffner and Griswold (1934) on parasites of Macrolepidoptera from the Northeastern United States, Raizenne (1952) on forest Lepidoptera of southern Ontario, and Schaffner (1959) on parasites of Microlepidoptera from the Northeastern United States.

Important catalogs or lists not included in this publication and to which the reader is referred are a world catalog of parasites and predators of insect pests by Thompson (1943-58), a world list of Tachinidae and their hosts by Townsend (1942, pp. 211-246), and natural enemies of Canadian agricultural pests by Graham (1965).

SYNOPSIS OF PARASITE-HOST RELATIONSHIPS

This section is based entirely on information contained in the next section on parasites. The Tachinidae follow the classification proposed in "A Catalog of the Diptera of America North of Mexico" (see Sabrosky and Arnaud, 1965). Author names and specific names of hosts are omitted.

Subfamily RHINOPHORINAE

Tribe RHINOPHORINI

Melanophora

roralis: Oniscidae (*Oniscus*, *Porcellio*).

Subfamily PHASIINAE

Tribe GYMNOSOMATINI

Gymnoclytia

dubia: Pentatomidae (*Cosmopepla*).

immaculata: Pentatomidae (*Euschistus*); Noctuidae (*Pseudaletia*).

occidua: Pentatomidae (*Euschistus*); Pieridae (*Pieris*).

Gymnosoma

filiola: Pentatomidae (*Chlorochroa*).

fuliginosum: Pentatomidae (*Chlorochroa*, *Eurygaster*, *Euschistus*, Wheat bug(-s)).

Tribe TRICHOPODINI

Acaulona

erythropyga: Pyrrhocoridae (*Dysdercus*).

peruviana: Pyrrhocoridae (*Dysdercus*).

Trichopoda

lanipes: Coreidae (*Acanthocephala*, *Archimerus*); Pentatomidae (*Nezara*, *Podisus*).

pennipes: Coreidae (*Acanthocephala*, *Anasa*, *Archimerus*, *Chelinidea*, *Euthochtha*, *Leptoglossus*, *Narnia*); Largidae (*Largus*); Pentatomidae (*Acrosternum*, *Alcaeorrhynchus*, *Euschistus*, *Murgantia*, *Nezara*, *Plautia*, *Thyanta*); Scutelleridae (*Coleotichus*).

pennipes probably: Coreidae (*Anasa*); Mantidae (*Tenodera*).

- pennipes* complex: Coreidae (*Archimerus*, *Leptoglossus*).
pilipes: Pentatomidae (*Nezara*); Scutelleridae (*Coleotichus*).
plumipes: Coreidae (*Acanthocephala*, *Leptoglossus*); Acrididae (*Dissosteira*, Unidentified Acrididae).
plumipes probably: Acrididae (*Dissosteira*).
subdivisa: Acrididae (*Dissosteira*).
spp. (*pennipes* and/or *pilipes*); Pentatomidae (*Nezara*).
spp.: Coreidae (*Acanthocephala*, *Anasa*, *Leptoglossus*); Pentatomidae (*Chlorochroa*, *Nezara*, Plant bug(-s)); Acrididae (*Dissosteira*).

Tribe PHASIINI

Alophorella

- aeneoventris*: Miridae (*Lygus*); Pentatomidae (*Cosmopepla*); Cercopidae (*Philaenus*).
fumosa: Miridae (*Lygocoris*, *Lygus*).
opaca: Miridae (*Lygus*).
pulverea: Miridae (*Lygocoris*, *Lygus*); Pentatomidae (*Holcostethus*).
spp.: Miridae (*Lygus*).

Androeuryops

- ecitonis*: Formicidae (*Eciton*).

Hyalomya

- aldrichii*: Lygaeidae (*Emblethis*, *Geocoris*, *Nysius*); Unidentified Hemiptera (Heteroptera) (Miscellaneous).
purpurascens: Cydnidae (*Sehirus*).

Paraphoranthia

- pollinosa*: Pentatomidae (*Chlorochroa*).

Phasia

- nigra*: Pentatomidae (*Eurygaster*).

"Phoranthia"

- "occidentis": Lygaeidae (*Nysius*); Miridae (*Leptopterna*).

Tribe CATHAROSIINI

Catharosia

- lustrans*: Lygaeidae (*Eremocoris*, *Thylochromus*).

Tribe CYLINDROMYIINI

Beskia

- aelops*: Pentatomidae (Pentatomid (including *Euschistus*, *Mormidea*, *Nezara*, and/or *Oebalus*)); Aphididae (*Macrosiphum*); Noctuidae (*Alabama*).

aelops probably: Tettigoniidae (*Neoconocephalus*).

Cylindromyia

armata: Pentatomidae (*Chlorochroa*).

binotata: Pentatomidae (*Euschistus*); Saturniidae (*Actias*).

“*carolinae*”: Noctuidae (*Pseudaletia*); Acrididae (Grasshopper(-s)).

euchenor: Pentatomidae (*Chlorochroa*, Pentatomid (including *Euschistus*, *Mormidea*, *Nezara*, and/or *Oebalus*)); Noctuidae (*Pseudaletia*); Acrididae (Unidentified Acrididae).

fumipennis: Pentatomidae (*Euschistus*).

Hemyda

aurata: Pentatomidae (*Podisus*).

Tribe LEUCOSTOMATINI

Leucostoma

acirostre: Coreidae (*Harmostes*).

aterrimum: Rhopalidae (*Liorhyssus*).

gravipes: Lygaeidae (*Oncopeltus*).

simplex: Nabidae (*Nabis*); Rhopalidae (*Liorhyssus*); Acrididae (*Melanoplus*, Grasshopper(-s)).

spp.: Lygaeidae (*Lygaeus*).

Tribe STRONGYGASTRINI

Hyalomyodes

triangulifer: Alleculidae (*Chromatia*); Chrysomelidae (*Altica*, *Chrysomela*, *Oulema*); Coccinellidae (*Coccinella*, *Coleomegilla*, *Epilachna*); Curculionidae (*Hypera*, *Listroderes*, *Sitona*); Pterophoridae (*Platyptilia*).

Tribe EUTHERINI

Euthera

tentatrix: Pentatomidae (*Euschistus*, *Oebalus*, Pentatomid (including *Euschistus*, *Mormidea*, *Nezara*, and/or *Oebalus*)).

Tribe PALPOSTOMATINI

Hamaxia

incongrua: Scarabaeidae (*Popillia*, Unidentified Scarabaeidae).

Subfamily PROSENINAE

Tribe ORMIINI

Euphasiopteryx

brevicornis nuttingi: Tettigoniidae (*Neoconocephalus*); Unidentified Orthoptera (Miscellaneous).

ochracea: Gryllidae (*Gryllus*).

Ormia

punctata: Tabanidae (*Tabanus*).

spp. probably: Pyralidae (*Crambus*).

Tribe TRIXINI

Phasiops

flavus: Tabanidae (*Tabanus*); Pyralidae (*Crambus*).

flavus probably: Tabanidae (*Tabanus*).

Tribe AULACEPHALINI

Eutrixa

exilis: Scarabaeidae (*Euetheola*, *Ligyrrus*, *Phyllophaga*, June beetle(-s), May beetle(-s)).

Tribe DEXILLINI

Dexilla

ventralis: Scarabaeidae (*Maladera*, *Phyllophaga*, *Popillia*).

Eutrixoides

jonesii: Scarabaeidae (*Chemarachis*, *Phyllophaga*, Scarabaeid (including *Phyllophaga* or *Phytalis*)).

Megapariopsis

opaca: Scarabaeidae (*Euetheola*).

Microphthalma

disjuncta: Scarabaeidae (*Euetheola*, *Phyllophaga*, June beetle(-s)), Scarabaeid (including *Cyclocephala* or *Phyllophaga*), Scarabaeid (including *Cyclocephala* and/or *Phyllophaga*), Scarabaeid (allied genera of *Phyllophaga*), White grub(-s)).

michiganensis: Scarabaeidae (*Phyllophaga*, White grub(-s)).

obsoleta: Scarabaeidae (*Phyllophaga*).

spp.: Scarabaeidae (White grub(-s)).

Tribe MYIOPHASIINI

Myiophasia

"aenea": Curculionidae (*Ampelogypter*, *Anthonomus*, *Chalcodermus*, *Conotrachelus*, *Curculio*, *Sphenophorus*, *Trichobaris*, Curculionid (including *Conotrachelus* or *Curculio*)); Unidentified Coleoptera (Miscellaneous); Noctuidae (*Pseudaetic*).

"aenea" probably: Curculionidae (*Conotrachelus*).

"atra": Curculionidae (*Curculio*); Arctiidae (*Halisidota*); Olethreutidae (*Laspeyresia*); Pyralidae (*Acrobasis*).

clistoides: Curculionidae (*Chalcodermus*).

globosa: Curculionidae (*Anthonomus*, *Chalcodermus*, *Conotrachelus*, *Trichobaris*, Unidentified Curculionidae).

metallica: Curculionidae (*Conotrachelus*, *Curculio*, *Sphenophorus*, Caneborer(-s)); Noctuidae (*Pseudaetia*).

nigrifrons: Curculionidae (*Conotrachelus*, *Curculio*).

robusta: Curculionidae (*Sphenophorus*).

Tribe PROSENIINI

Ateloglossa

cinerea: Elateridae (*Melanotus*).

Dinera

grisescens probably: Scarabaeidae (*Phyllophaga*).

Mochlosoma

lacertosum: Scarabaeidae (Scarabaeid (including *Phyllophaga* or other Scarabaeidae)).

mexicanum: Unidentified Lepidoptera (Miscellaneous).

"Phorostoma"

spp.: Tabanidae (*Tabanus*); Pyralidae (*Diatraea*, *Zeadiatraea*).

Prosenia

siberita: Scarabaeidae (*Popillia*).

spp.: Scarabaeidae (*Adoretus*, *Anomala*).

Ptilodexia

"abdominalis": Scarabaeidae (*Phyllophaga*).

canescens: Cerambycidae (*Saperda*, *Stenocorus*).

cerata: Scarabaeidae (*Phyllophaga*).

harpasa: Scarabaeidae (*Chemarachis*, *Phyllophaga*, May beetle(-s)).

"tibialis": Scarabaeidae (*Phyllophaga*).

sp.: Scarabaeidae (*Popillia*).

Tribe THERESIINI

Carinosillus

novaeangliae: Tabanidae (*Hybomitra*).

tabanivorus: Tabanidae (*Chrysops*, *Hybomitra*, *Tabanus*, Horse fly (flies)).

Eutheresia

monohammi: Cerambycidae (*Monochamus*); Lucanidae (*Ceruchus*).

monohammi probably: Cerambycidae (Unidentified Cerambycidae); Lucanidae (*Ceruchus*).

nipigonensis: Cerambycidae (*Stenocorus*).

satisfacta probably: Cerambycidae (*Stenocorus*).

trivittata: Cerambycidae (*Monochamus*, *Stenocorus*).

Opsotheresia

bigelowi: Tabanidae (Unidentified Tabanidae).

Paratheresia

claripalpis: Pyralidae (*Chilo*, *Diatraea*, *Ostrinia*, *Zeadiatraea*).

spp.: Pyralidae (*Diatraea*, *Zeadiatraea*).

Theresia

rutilans: Cerambycidae (*Enaphalodes*).

Gen. of Theresiini

spp.: Gryllidae (*Anurogryllus*).

Vibrissotheresia

pechumani: Tabanidae (*Tabanus*).

Subfamily TACHININAE

Tribe NEMORAEINI

"Nemoraea"

sp.: Arctiidae (*Turuptiana*).

Tribe MACROMYINI

Bombyliopsis

abrupta: Arctiidae (*Diacrisia*, *Euchaetias*, *Halisidota*, *Hyphantria*, Unidentified Arctiidae).

Tribe TACHININI

Nowickia

algens: Noctuidae (*Apamea*, *Euxoa*, Cutworm(-s)).

hispida: Noctuidae (*Polia*).

latifrons: Noctuidae (*Crymodes*).

Peleteria

aenea: Lymantriidae (*Byrdia*).

obsoleta: Noctuidae (Unidentified Noctuidae).

"*tessellata*": Noctuidae (*Euxoa*).

"*tessellata*" probably: Noctuidae (*Euxoa*).

"*texensis*": Lymantriidae (*Hemerocampa*); Noctuidae (*Agrotis*, *Euxoa*, *Heliophila*, *Leucania*, *Peridroma*, *Pseudaletia*, Armyworm(-s)).

thomsoni: Lepidoptera probably (Miscellaneous).

spp.: Noctuidae (*Agrotis*, *Pseudaletia*).

Tribe DEJEANIINI

Archytas

apicifer: Lasiocampidae (*Malacosoma*); Noctuidae (*Peridroma*, *Pseudaletia*, *Spodoptera*).

aterrimus: Arctiidae (*Cynia*, *Hyphantria*); Lasiocampidae (*Malacosoma*); Megalopygidae (*Megalopyge*); Noctuidae (*Acronicta*, *Baileya*, *Catocala*, *Peridroma*, *Plathypena*, Unidentified Noctuidae); Notodontidae (*Cerura*); Psychidae (*Thyridopteryx*).

californiae: Arctiidae (*Euchaetias*); Noctuidae (*Spodoptera*, *Trichoplusia*).

cirphis: Noctuidae (*Agrotis*, *Cirphis*, *Leucania*, *Peridroma*, *Pseudaletia*, *Spodoptera*, Armyworm(-s) (including *Pseudaletia* and/or *Spodoptera*), Armyworm(-s), Cutworm(-s)).

cirphis probably: Noctuidae (*Peridroma*).

incertus: Noctuidae (*Spodoptera*).

lateralis: Lasiocampidae (*Malacosoma*).

marmoratus: Noctuidae (*Agrotis*, *Heliophila*, *Heliothis*, *Laphygma*, *Leucania*, *Mocis*, *Pseudaletia*, *Spodoptera*, Armyworm(-s), Cutworm(-s)); Unidentified Lepidoptera (Corn stalk borer(-s), Miscellaneous).

metallicus: Arctiidae (*Ecpantheria*); Noctuidae (*Spodoptera*); Notodontidae (*Datana*).

sp. near *metallicus*: Noctuidae (Unidentified Catocalinae).

smaragdinus: Megalopygidae (*Megalopyge*).

spp. (*apicifer* and/or *californiae*): Lasiocampidae (*Malacosoma*, Tent caterpillar(-s)); Noctuidae (*Elaphria*, *Heliophila*, *Leucania*, *Peridroma*, *Pseudaletia*, *Spodoptera*, Armyworm(-s), Cutworm(-s)); Unidentified Lepidoptera (Miscellaneous).

spp. (*apicifer* or *californiae*) probably: Noctuidae (*Pseudaletia*).

spp.: Noctuidae (*Peridroma*, *Spodoptera*, Armyworm(-s)); Noto-
dontidae (*Datana*).

Juriniopsis

adusta: Arctiidae (*Ecpantheria*); HesperIIDae (*Epargyreus*).

aurifrons: Arctiidae (*Halisidota*).

floridensis probably: Arctiidae (*Ecpantheria*).

Paradejeania

rutilioides nigrescens: Unidentified Lepidoptera (Miscellaneous).

Tribe JURINIINI

Epalpus

signifer: Noctuidae (*Lithophane*).

Xanthoepalpus

bicolor: Geometridae (Unidentified Geometridae).

Tribe CUPHOCERINI

Copecrypta

ruficauda: Noctuidae (*Ogdoconta*, *Plathypena*).

sp.: Aegeriidae (*Sylvora*).

Deopalpus

miscelli: Noctuidae (*Catabena*).

parksii: Unidentified Lepidoptera (Miscellaneous).

Tribe LINNAEMYINI

Bonnetia

comta: Scarabaeidae (*Phyllophaga*); Noctuidae (*Agrotis*, *Cop-
ablepharon*, *Euxoa*, *Feltia*, *Peridroma*, *Polia*, *Spodoptera*,
Armyworm(-s), Cutworm(-s), Unidentified Noctuidae).

sp.: Aegeriidae (*Sylvora*).

Chrysotachina

alcedo: Hesperiidae (*Urbanus*); Lacosomidae (*Cicinnus*).

Gymnochaetopsis

fulvicauda: Noctuidae (*Heliothis*, *Mocis*).

Gymnocheta

ruficornis: Noctuidae (*Papaipema*).

Linnaemya

"*picta*": Noctuidae (*Agrotis*).

tessellata: Noctuidae (*Amathes*).

Thompsonomyia

anthracina: Arctiidae (*Parasemia*).

Tribe ERNESTIINI

Eucheirophaga

lugubris: Pieridae (*Eucheira*).

Mericia

ampelus: Arctiidae (*Diacrisia*, *Hyphantria*); Lasiocampidae (*Malacosoma*); Notodontidae (*Datana*); Unidentified Lepidoptera (Miscellaneous).

arcuata: Arctiidae (*Hyphantria*).

arcuata probably: Noctuidae (*Eupsilia*).

bicarina probably: Noctuidae (*Barathra*).

johnsoni: Arctiidae (*Hyphantria*).

spp.: Arctiidae (*Diacrisia*, *Estigmene*, *Euchaetias*, *Hyphantria*); Geometridae (*Ennomos*); Noctuidae (*Agrotis*, *Amphipyra*, *Cosmia*, *Euxoa*, *Lithophane*, Unidentified Noctuidae); Notodontidae (*Datana*); Olethreutidae (*Spilonota*).

spp. probably: Arctiidae (*Hyphantria*).

Xanthophyto

labis: Aegeriidae (*Vespa mima*); Lasiocampidae (*Malacosoma*); Olethreutidae (*Sciaphila*).

spp.: Geometridae (*Sabulodes*); Oecophoridae (*Depressaria*); Pyralidae (*Dioryctria*); Tortricidae (*Choristoneura*).

sp. probably: Geometridae (*Ennomos*).

Tribe APHRIINI

Aphria

ocypterata: Noctuidae (*Euxoa*); Pyralidae (*Nephopteryx*, *Tlascalala*).

Parafischeria

eucerata: Aegeriidae (*Synanthedon*).

Pyraustomyia

penitalis: Pyralidae (*Ostrinia*, *Pyrausta*).

Tribe LYPHINI

Lypha

intermedia: Gelechiidae (*Anacampsis*); Olethreutidae (*Sciaphila*).

setifacies: Tortricidae (*Choristoneura*, *Croesia*).

sp.: Tortricidae (*Sparganothis*).

Tribe GERMARIINI

Bigonicheta

spinipennis: Forficulidae (*Forficula*).

Coloradomyia

eucosmaphaga: Olethreutidae (*Eucosma*).

Exoristoides

harrisi: Geophilidae (*Geophilus* probably).

johnsoni: Gryllidae (*Gryllus*).

sp.: Gryllidae (*Anurogryllus*).

Helioplagia

slossonae: Coccinellidae (*Epilachna*); Hesperiididae (*Thymelicus*).

Petinarctia

stylata: Lymantriidae (*Byrdia*).

Tribe CAMPYLOCHETINI

Chaetophlepsis

eudryae: Aegeriidae (*Melittia*); Noctuidae (*Alypia*, *Autographa*, *Euthisanotia*, *Plathypena*, *Pseudoplusia*, Unidentified Noctuidae); Notodontidae (*Pheosia*).

orbitalis: Geometridae (*Cingilia*, *Protitame*); Noctuidae (*Cryphia*).

rindgei: Geometridae (*Drepanulatrix*).

semiothisae: Geometridae (*Itame*, *Lambdina*, *Nepytia*, *Pero*, *Semiothisa*); Tortricidae (*Acleris*).

spp.: Aegeriidae (*Melittia*); Noctuidae (*Catocala*, *Plathypena*); Tortricidae (*Choristoneura*).

Tribe VORIINI

Athrycia

cinerea: Unidentified Hymenoptera (Sawfly(-flies)); Noctuidae (*Pseudaletia*).

Cyrtophleba

coquilletti: Noctuidae (*Epiglaea*, *Eupsilia*, Unidentified Noctuidae).

Metaplagia

occidentalis: Noctuidae (*Heliothis*); Sphingidae (*Agrius*, *Sphinx*).

Metavoria

orientalis: Sphingidae (*Manduca*).

Plagiomima

cognata: Noctuidae (*Heliothis*).

spinosula probably: Noctuidae (*Heliothis*).

Voria

aurifrons: Noctuidae (*Autographa*, *Heliothis*).

ruralis: Noctuidae (*Anticarsia*, *Autographa*, *Autoplusia*, *Peridroma*, *Plusia*, *Spodoptera*, *Trichoplusia*, Phalaenid moth(-s), Unidentified Noctuidae); Noctuidae and/or Pyralidae (Noctuid and/or pyralid (including *Scotogramma* and/or *Loxostege*)); Unidentified Lepidoptera (Green looper(-s)).

ruralis probably: Noctuidae (*Autographa*, *Trichoplusia*).

Wagneria

major: Noctuidae (*Choephora*).

vernata: Noctuidae (*Protorthodes*, *Xylena*).

vernata probably: Noctuidae (*Orthosia*).

sp.: Noctuidae (*Choephora*).

Subfamily DEXIINAE**Tribe THELAIRINI****Spathidexia**

dunningii: HesperIIDae (*Ochlodes*).

Thelaira

americana: ArctIIDae (*Diacrisia*, *Estigmene*).

spp.: ArctIIDae (*Isia*, *Turuptiana*, Unidentified ArctIIDae); Pyralidae (*Diaphania*).

Tribe DEXIINI**Dexia**

limata: Tipulidae (Unidentified Tipulidae).

"Hypostena"

"*floridensis*": Argidae (*Sphacophilus*, *Sterictiphora*); Blastobasidae (*Valentinia*); Pyralidae (*Diatraea*, *Ostrinia*).

sp.: Chrysomelidae (*Erynephila*).

Tribe MACQUARTIINI**Athanatus**

californicus: Noctuidae (*Heliothis*).

Eubrachymera

debilis: Pamphiliidae (*Neurotoma*).

Eulasiona

comstocki: Oecophoridae (*Psilocorsis*); Olethreutidae (*Epinotia*, *Pseudexentera*).

genalis: Aegeriidae (Unidentified Aegeriidae).

nigra: Tortricidae (*Archips*).

Grisdalemyia

spp.: Chrysomelidae (*Chrysomela*).

Icteriphyto

spinosa: Geometridae (*Alsophila*, *Brephos*, *Erannis*); Noctuidae (*Pyreferra*); Tortricidae (*Pandemis*).

tibialis: Geometridae (*Melanolopia*).

"Macquartia"

spp.: Unidentified Coleoptera (Miscellaneous); Arctiidae (*Halisidota*).

Pelatachina

pellucida: Nymphalidae (*Nymphalis*, *Vanessa*).

Tribe HYALURGINA

Hyalurgus

sp.: Tenthredinidae (*Tomostethus*).

Tribe ICELIINI

Ervia

triquetra: Chrysomelidae (*Monocesta*).

Tribe ZELIINI

Metadexia

tricolor: Curculionidae (*Rhabdoscelus*).

Zelia

vertebrata: Cerambycidae (Unidentified Cerambycidae); Passalidae (*Popilius*); Scarabaeidae (*Osmoderma*); Tenebrionidae (*Meracantha*).

Tribe URAMYINI

Anaporis

limacodis: Limacodidae (*Limacodes*, *Lithacodes*, *Sisyrosea*, *Tortricidia*).

pristis: Arctiidae (*Halisidota*); Limacodidae (*Euclea*, *Phobetron*, *Sibine*, *Sisyrosea*); Megalopygidae (*Megalopyge*).

sp.: Limacodidae (*Sisyrosea*).

Uramya

halisidotae: Arctiidae (*Halisidota*); Lasiocampidae (*Malacosoma*).

Tribe CALODEXIINI

Calodexia

sp. near *agilis* or *interrupta*: Gryllidae (*Eneoptera*).

dives: Blattidae (Cockroach(-es)).

fumosa: Tettigoniidae (Unidentified Tettigoniidae).

interrupta: Gryllidae (*Ponca*).

venteris: Blattidae (*Eublaberus*).

spp.: Blattidae (*Epilampra*, Cockroach(-es)); Gryllidae (Crick-et(-s)).

Tribe URODEXIINI

Chaetona

sp.: Arctiidae (*Turuptiana*).

Chaetonodexodes

vanderwulpi: Chrysomelidae (*Monoxia*).

Cholomyia

inaequipes: Curculionidae (*Conotrachelus*).

sp.: Curculionidae (*Conotrachelus*).

Phyllophilopsis

evanida: Endomychidae (*Endomychus*).

Tribe ERIOTHRIXINI

Paradidyma

singularis: Unidentified Lepidoptera (Burrowing webworm(-s)).

Periscepsia

cinerosa: Noctuidae (*Euxoa*).

helymus: Noctuidae (*Actebia*, *Agrotis*, *Amathes*, *Autographa*, *Cirphis*, *Elaphria*, *Epiglaea*, *Eupsilia*, *Euxoa*, *Faronta*, *Leucania*, *Lithophane*, *Peridroma*, *Polia*, *Pseudaletia*, *Trichoplusia*, Armyworm(-s), Cutworm(-s), Unidentified Noctuidae).

laevigata: Noctuidae (*Elaphria*, *Euxoa*, *Lascoria*, *Lithophane*, *Peridroma*, *Pseudaletia*).

rohweri: Noctuidae (*Agrotis*, *Euxoa*, *Spaelotis*).

spp.: Noctuidae (*Agrotis* probably, *Glaea*); Unidentified Lepidoptera (Leaf roller(-s)).

Tribe LESKIINI

Dejeaniopalpus

texensis: Pyralidae (*Desmia*, *Pyrausta* probably); Tortricidae (Leaf roller(-s)).

Genea

aurea: Pyralidae (*Tetralopha*).

"Leskia"

"*analis*": Pyralidae (*Diaphania*).

Leskiella

brevirostris: Olethreutidae (*Laspeyresia*, Unidentified Olethreutidae).

brevirostris probably: Olethreutidae (*Grapholitha*).

Leskiomima

tenera: Olethreutidae (*Eucosma*, *Grapholitha*, *Laspeyresia*); Pyralidae (*Acrobasis*, *Desmia*, *Dioryctria*, *Homoeosoma*, *Macrobotys*, *Tetralopha*, Unidentified Pyralidae).

sp.: Pyralidae (*Dioryctria*).

Myobiopsis

depilis: Pyralidae (*Macrobotys*).

flavipennis: Pyralidae ("Blepharomastix"); Unidentified Lepidoptera (Leaf-folder caterpillar(-s)).

Sipholeskia

occidentalis: Aegeriidae (*Synanthedon*).

Stomatodexia

cothurnata: Pyralidae (*Diaphania*).

Subfamily GONIINAE

Tribe ACEMYINI

Acemya

tibialis: Acrididae (*Melanoplus*, Grasshopper(-s)).

spp.: Acrididae (Grasshopper(-s)).

Ceracia

dentata: Acrididae (*Camnula*, *Chimarocephala*, *Chortophaga*, *Melanoplus*, Grasshopper(-s)).

dentata probably: Acrididae (*Chortophaga*, *Psoloessa*).

spp.: Acrididae (*Melanoplus*, Grasshopper(-s)).

Euhalidaya

genalis: Phasmatidae (*Diapheromera*).

Hemithrixion

oestriforme: Acrididae (*Boopedon*, *Camnula*, *Melanoplus*, Grasshopper(-s)).

plankii: Acrididae (Grasshopper(-s)).

sp.: Acrididae (Grasshopper(-s)).

sp. probably: Acrididae (*Dissosteira*).

Tribe BLONDELIINI

Adoryphorophaga

aberrans: Chrysomelidae (*Blepharida*, *Leptinotarsa*, Chrysomelid spp. (including *Lema* and/or *Leptinotarsa*)).

spp. and/or *Doryphorophaga* spp.: Chrysomelidae (*Leptinotarsa*).

"Anisia"

"nigrocincta" probably: Pyralidae (*Ostrinia*).

Aplomyiopsis

epilachnae: Coccinellidae (*Epilachna*).

epilachnae probably: Coccinellidae (*Epilachna*).

galerucellae: Chrysomelidae (*Pyrrhalta*).

Aporotachina

chaetoneura: Argidae (*Arge*); Tenthredinidae (*Nematus*).

dexina: Argidae (*Arge*).

Blondelia

eufitchiae: Arctiidae (*Halisidota*, *Hyphantria*); Geometridae (*Alsophila*, *Caripeta*, *Ennomos*, *Eupithecia*, *Itame*, *Lambdina*, *Nepytia*, *Semiothisa*, *Thera*); Noctuidae (*Hypena*); Olethreutidae (*Spilonota*); Tortricidae (*Acleris*, *Sparganothis*, Unidentified Tortricidae).

hyphantriae: Arctiidae (*Diacrisia*, *Halisidota*, *Hyphantria*); Noctuidae (*Bomolocha*, *Ceramica*, *Lithophane*); Notodontidae (*Heterocampa*).

polita: Pyralidae (*Loxostege*).

sp. near *polita*: Tortricidae (*Archips*).

spp.: Geometridae (*Anacamptodes*, *Coryphista*); Tortricidae (*Archips*).

spp. probably: Diprionidae (*Diprion*); Geometridae (*Cingilia*).

Celatoria

diabroticae: Chrysomelidae (*Acalymma*, *Cerotoma*, *Diabrotica*, *Trirhabda*).

setosa: Chrysomelidae (*Acalymma*, *Diabrotica*, Cucumber beetle(-s)).

Compsilura

concinata: Curculionidae (*Pissodes*); Cimbicidae (*Cimbex*); Diprionidae (*Diprion*); Pamphiliidae (*Neurotoma*); Tenthredinidae (*Croesus*, *Nematus*, *Pristiphora*, *Trichiocampus*); Unidentified Hymenoptera (Sawfly(-flies), Tenthredinoidea); Arctiidae (*Diacrisia*, *Estigmene*, *Euchaetias*, *Halisidota*, *Hyphantria*, Unidentified Arctiidae); Bombycidae (*Bombyx*); Citheroniidae (*Anisota*); Ctenuchidae (*Ctenucha*); Danaidae (*Danaus*); Geometridae (*Biston*, *Cingilia*, *Ennomos*, *Eugon-*

obapta, *Hydria*, *Itame*, *Lambdina*, *Melanolophia*, *Nemato-campa*, *Phigalia*, Unidentified Geometridae); HesperIIDae (*Epargyreus*, *Erynnis*, *Thymelicus*, Unidentified HesperIIDae); Lasiocampidae (*Epicnaptera*, *Malacosoma*, American tent caterpillar(-s)); Limacodidae (*Cnidocampa*); Lymantriidae (*Dasychira*, *Euproctis*, *Hemerocampa*, *Nygmia*, *Orgyia*, *Porthetria*, *Stilpnotia*, Tussock moth(-s), Unidentified Lymantriidae); Megalopygidae (*Megalopyge*); Noctuidae (*Acronicta*, *Alypia*, *Amphipyra*, *Calpe*, *Catocala*, *Ceramica*, *Euthisanotia*, *Lithophane*, *Phosphila*, *Plathypena*, *Plusiodonta*, *Polia*, *Pseudaletia*, *Rhodophora*, *Scoliopteryx*, *Simyra*, *Trichoplusia*, *Xylena*, Unidentified Catocalinae, Unidentified Noctuidae); Notodontidae (*Cerura*, *Datana*, *Fentonia*, *Heterocampa*, *Ichthyura*, *Nadata*, *Pheosia*, *Schizura*, *Symmerista*, Unidentified Notodontidae); Nymphalidae (*Agraulis*, *Chlosyne*, *Euphydryas*, *Limenitis*, *Nymphalis*, *Polygonia*, *Vanessa*, Unidentified Nymphalidae); Oecophoridae (*Dasystema*); Papilionidae (*Battus*, *Papilio*, Unidentified Papilionidae); Pieridae (*Pieris*); Pterophoridae (*Oidaematophorus*); Pyralidae (*Evergestis*, *Ostrinia*); Saturniidae (*Antheraea*, *Automeris*, *Callosamia*, *Hemileuca*, *Platysamia*, Unidentified Saturniidae); Sphingidae (*Ampeloeca*, *Amphion*, *Atreides*, *Ceratomia*, *Deidamia*, *Hemaris*, *Hyles*, *Manduca*, *Paonias*, *Pholus*, *Smerinthus*, *Sphecodina*, *Sphinx*, Unidentified Sphingidae); Tortricidae (*Archips*, *Choristoneura*); Unidentified Lepidoptera (Cabbage worm(-s), Miscellaneous).

sp. probably: Lasiocampidae (*Malacosoma*).

Cryptomeigenia

aurifacies: Scarabaeidae (*Chemarachis*, *Lachnosterna*, *Phyllophaga*, Scarabaeid (including *Phyllophaga* or *Phytalis*)).

prisca: Scarabaeidae (May beetle(-s)).

simplex: Scarabaeidae (*Phyllophaga*).

theutis: Scarabaeidae (*Phyllophaga*).

triangularis: Scarabaeidae (*Phyllophaga*).

spp.: Scarabaeidae (*Phyllophaga*, May beetle(-s)); Diprionidae (Diprionid (including *Diprion* and/or *Neodiprion*)).

Didyma

exigua: Pyralidae (*Acrobasis*, *Ostrinia*).

Doryphorophaga

australis: Chrysomelidae (*Leptinotarsa*, Chrysomelid (including *Lema* and/or *Leptinotarsa*)).

doryphorae: Chrysomelidae (*Leptinotarsa*, Chrysomelid (including *Lema* and/or *Leptinotarsa*)); Coccinellidae (*Epilachna*); Nymphalidae (*Nymphalis*).

macella: Chrysomelidae (*Leptinotarsa*).

spp.: Chrysomelidae (*Leptinotarsa*).

Elephantocera

greeni: Olethreutidae (*Grapholitha*).

Eribella

exilis: Chrysomelidae (*Chelymorpha*, *Plagiometriona*).

sp. near *exilis*: Diprionidae (*Neodiprion*); Olethreutidae (*Barbara*).

spp.: Pterophoridae (Unidentified Pterophoridae).

Erynniopsis

rondanii: Chrysomelidae (*Pyrrhalta*).

Eucelatoria

armigera: Diprionidae (*Neodiprion*); Arctiidae (*Estigmene*); Geometridae (Unidentified Geometridae); Noctuidae (*Achaea*, *Agrotis*, *Amyna*, *Autographa*, *Chrysodeixis*, *Heliothis*, *Leucania*, *Mocis*, *Plusia*, *Polydesma*, *Pseudaletia*, *Spodoptera*, *Trichoplusia*, Armyworm(-s)); Pieridae (*Pieris*); Pyralidae (*Hedylepta*, *Herpetogramma*, *Hymenia*).

armigera probably: Noctuidae (*Peridroma*).

australis: HesperIIDae (*Calpodes*); Noctuidae (*Leucania*); Pyralidae (*Agathodes*).

comosa: Noctuidae (Cutworm(-s)).

rubentis: Noctuidae (*Pseudaletia*, *Spodoptera*, Armyworm(-s)).

rubentis probably: Noctuidae (*Pseudaletia*).

spp.: Noctuidae (*Heliothis*); Pyralidae (*Hedylepta*, *Hymenia*).

Eucelatoriopsis

dimmocki: Chrysomelidae (*Agrioconota*, *Chelymorpha*, *Coptocycla*, *Metriona*, *Plagiometriona*).

dimmocki probably: Chrysomelidae (*Plagiometriona*).

"Gymnostylia"

sp.: Tenthredinidae (Unidentified Tenthredinidae).

Lixophaga

diatraeae: Arctiidae (*Utetheisa*); HesperIIDae (*Calpodes*); Noctuidae (*Spodoptera*); Pyralidae (*Diatraea*, *Zeadiatraea*); Unidentified Lepidoptera (Miscellaneous, Moth stalk-borer(-s)).

sp. near *fasciata*: Olethreutidae (*Petrova*).

grisea: Pyralidae (*Diatraea*).

jenei: Olethreutidae (*Laspeyresia*).

mediocris: Gelechiidae (*Frumenta*); Limacodidae (*Cnidocampa*); Olethreutidae (*Grapholitha*, *Laspeyresia*, *Rhyacionia*, *Suleima*).

orbitalis: Olethreutidae (*Laspeyresia*).

parva: Curculionidae (*Lixus*); Olethreutidae (*Grapholitha*).

plumbea: Olethreutidae (*Grapholitha*, *Rhyacionia*); Phaloniidae (*Phalonia*); Pyralidae (*Pyrausta*); Tortricidae (*Xenotemna*).

sphenophori: Curculionidae (*Rhabdoscelus*); Pyralidae (*Diatraea*).

stenomae: Stenomidae (*Stenoma*).

variabilis: Bostrichidae (*Amphicerus*); Cerambycidae (*Oberea*); Curculionidae (*Lixus*, *Sphenophorus*); Tenthredinidae (Unidentified Tenthredinidae); Unidentified Hymenoptera (Sawfly(-flies)); Noctuidae (*Anomis*, *Papaipema*, *Stibadium*, *Trichoplusia*); Olethreutidae (*Ancylis*, *Epiblema*, *Eumarozia*, *Grapholitha*, *Laspeyresia*, *Rhyacionia*, *Suleima*); Pyralidae (*Desmia*, *Homoeosoma*, *Loxostege*, *Ostrinia*, Unidentified Pyralidae); Unidentified Lepidoptera (Miscellaneous).

sp. near *variabilis*: Curculionidae (*Hypera*).

spp.: Unidentified Coleoptera (Rhynchophora); Olethreutidae (*Laspeyresia*); Pyralidae (*Diatraea*).

Gen. near *Lixophaga*

spp.: Unidentified Hymenoptera (Sawfly(-flies)).

Lydellohoughia

tenella: Unidentified Lepidoptera (Tuber moth(-s)).

sp.: Pyralidae (Cone moth(-s) probably).

Gen. near *Lydinolydella*

spp.: Tortricidae (*Archips*).

Medina

barbata: Chrysomelidae (*Altica*, *Disonycha*, "Luperodes," *Plagiometriona*).

spp.: Chrysomelidae (Unidentified Chrysomelidae).

Meigenia

mutabilis: Chrysomelidae (*Crioceris*).

Myiopharus

canadensis: Chrysomelidae (*Calligrapha*).

dorsalis: Chrysomelidae (*Calligrapha*).

Oswaldia

albifacies: Noctuidae (*Parallelia*); Pyralidae (*Loxostege*).

anorbitalis: Noctuidae (*Parallelia*).

assimilis: Noctuidae (*Parallelia*).

aurifrons: Tenthredinidae (*Nematus*); Citheroniidae (*Anisota*).

sp. probably: Noctuidae (*Arzama*).

Oxynops

anthracinus: Pterophoridae (*Oidaematophorus*).

Gen. near *Oxynops*

spp.: Olethreutidae (*Petrova*); Pyralidae (*Dioryctria*).

Paralispe

infernalis: Chrysomelidae (*Crioceris*, *Lema*); Tortricidae (*Archips*).

Phrynofrontina

discalis: Lymantriidae (*Euproctis*).

spp.: Olethreutidae (*Petrova*); Pyralidae (*Dioryctria*).

"Prospherysa"

sp.: Sphecidae (*Bembix*).

Pseudomyothyria

ancilla: Chrysomelidae (*Diabrotica*); Scarabaeidae (*Serica*); Gelechiidae (*Filatima*).

spp.: Tenthredinidae (Unidentified Tenthredinidae); Unidentified Lepidoptera (Miscellaneous).

spp. probably: Unidentified Lepidoptera (Miscellaneous).

Schizocerophaga

leibyi: Argidae (*Sphacophilus*); Tortricidae (*Archips*).

Sitophaga

calosomae: Carabidae (*Calosoma*, *Carabus*).

eleodivora: Tenebrionidae (*Eleodes*).

georgiae: Carabidae (*Calosoma*); Scarabaeidae (*Phyllophaga*).

georgiae probably: Carabidae (*Calosoma*).

leechi: Carabidae (*Carabus*).

neomexicana: Scarabaeidae (*Serica*).

nocturnal: Scarabaeidae (*Phyllophaga*).

sp.: Carabidae (*Calosoma*).

Spathimeigenia

aurifrons: Diprionidae (*Diprion*, *Monoctenus*, *Neodiprion*); Tenthredinidae (*Pikonema*, *Pristiphora*); Unidentified Hymenoptera (Sawfly(-flies) probably).

spp. (*aurifrons-erecta* complex): Diprionidae (*Neodiprion*).

erecta: Diprionidae (*Neodiprion*).

erecta probably: Diprionidae (*Neodiprion*).

hylotomae: Argidae (*Arge*); Diprionidae (*Neodiprion*); Unidentified Hymenoptera (Sawfly(-flies)).

hylotomae probably: Notodontidae (*Heterocampa*).

mexicana: Diprionidae (*Zadiprion*).

spinigera: Argidae (*Arge*); Diprionidae (*Diprion*, *Monoctenus*, *Neodiprion*, Diprionid (including *Diprion* and/or *Neodiprion*)); Tenthredinidae (*Pikonema*, *Pristiphora*); Unidentified Hymenoptera (Pine sawfly(-flies), Sawfly(-flies)); Unidentified Lepidoptera (Miscellaneous).

spinigera complex: Diprionidae (*Neodiprion*).

spp.: Diprionidae (*Diprion*, *Monoctenus*, *Neodiprion*).

Tachinophyto

floridensis: Pterophoridae (*Oidaematophorus*).

spp.: Gelechiidae (*Isophrictis*); Olethreutidae (*Epiblema*, *Laspheyresia*); Pyralidae (*Desmia*, *Diatraea*); Tineidae (Unidentified Tineidae).

Urophyllopsis

retiniae: Olethreutidae (*Rhyacionia*).

Tribe NEOMINTHOINI**Eupelecotheca**

celer: Limacodidae (*Packardia*).

Tribe EXORISTINI**Bessa**

harveyi: Argidae (*Arge*); Diprionidae (*Diprion*, *Neodiprion*); Tenthredinidae (*Amauronematus*, *Ametastegia*, *Anoplonyx*, *Cladius*, *Croesus*, *Hemichroa*, *Macremphytus*, *Nematus*, *Pikonema*, *Platycampus*, *Priophorus*, *Pristiphora*, *Strongylogaster*, *Trichiocampus*, Unidentified Tenthredinidae); Geometridae (*Eupithecia*, *Nepytia*, *Semiothisa*, Unidentified Geometridae); Nymphalidae (*Nymphalis*); Tortricidae (*Archips*, Unidentified Tortricidae).

selecta: Diprionidae (*Diprion*, *Neodiprion*); Tenthredinidae (*Hemichroa*, *Pikonema*, *Priophorus*, *Pristiphora*); Lymantriidae (*Hemerocampa*).

selecta probably: Tenthredinidae (*Pristiphora*).

spp.: Tenthredinidae (*Pristiphora*).

Chaetexorista

javana: Limacodidae (*Cnidocampa*).

Diplostichus

lophyri: Diprionidae (*Diprion*, *Neodiprion*, Diprionid (including *Diprion* and/or *Neodiprion*)); Tenthredinidae (*Pikonema*, *Pristiphora*); Lasiocampidae (*Malacosoma*).

sp. near *lophyri*: Diprionidae (*Neodiprion*).

sellersi: Diprionidae (*Neodiprion*).

Epiplagiops

littoralis: Curculionidae (*Listroderes*).

Euphorocera

claripennis: Chrysomelidae (*Calligrapha*); Coccinellidae (*Epilachna*); Unidentified Coleoptera (Miscellaneous); Diprionidae (*Diprion*, *Neodiprion*, Diprionid (including *Diprion* and/or *Neodiprion*)); Unidentified Hymenoptera (Sawfly(-flies));

Arctiidae (*Apantes*, *Eubaphe*, *Euchaetias*, *Halisidota*, *Hyphantria*, *Utetheisa*); Citheroniidae (*Anisota*); Ctenuchidae (*Lymire*); Gelechiidae (*Anarsia*); Geometridae (*Cingilia*, *Itame*, *Philtraea*, *Semiothisa*); Hesperidae (*Epargyreus*); Lasiocampidae (*Malacosoma*, Apple tree tent caterpillar(-s)); Limacodidae (*Sibine*); Lymantriidae (*Euproctis*, *Hemerocampa*, *Nygma*, *Porthetria*, *Stilpnotia*, Tussock moth(-s)); Megalopygidae (*Lagoa*, *Megalopyge*); Noctuidae (*Acronicta*, *Actebia*, *Agrotis*, *Alabama*, *Amathes*, *Eubolina* probably, *Euxoa*, *Faronta*, *Feltia*, *Heliothis*, *Hydroecia*, *Lithophane*, *Mocis*, *Peridroma*, *Plathypena*, *Pseudaletia*, *Scotogramma*, *Spodoptera*, Armyworm(-s), Cutworm(-s)); Noctuidae and/or Pyralidae (Noctuid and/or pyralid (including *Scotogramma* and/or *Loxostege*)); Notodontidae (*Datana*, *Ichthyura*, *Schizura*); Nymphalidae (*Agraulis*, *Asterocampa*, *Chlosyne*, *Nymphalis*, *Polygonia*); Pieridae (*Colias*, *Pieris*); Psychidae (*Thyridopteryx*); Pyralidae (*Crambus*); Saturniidae (*Automeris*, *Callosamia*, *Hemileuca*, *Platysamia*); Sphingidae (*Ceratomia*, *Sphinx*); Zygaenidae (*Harrisina*); Unidentified Lepidoptera (Miscellaneous); Acrididae (*Melanoplus*, Grasshopper(-s)).

claripennis probably: Megalopygidae (*Megalopyge*).

sp. near *claripennis*: Diprionidae (*Diprion*).

edwardsii: Diprionidae (*Diprion*, *Neodiprion*); Lasiocampidae (*Malacosoma*); Lymantriidae (*Hemerocampa*); Noctuidae (*Euxoa*); Notodontidae (*Datana*, *Symmerista*); Nymphalidae (*Anaea*, *Asterocampa*, *Nymphalis*).

floridensis: Cerambycidae (*Saperda*); Coccinellidae (*Epilachna*); Arctiidae (*Apantes*, *Hyphantria*); Citheroniidae (*Anisota*); Ctenuchidae (*Lymire*, *Syntomeida*); Geometridae (*Ennomos*, *Melanchroia*); Hesperidae (*Epargyreus*); Noctuidae (*Alabama*, *Anticarsia*, *Heliothis*, *Plathypena*, *Pseudaletia*, *Pseudoplusia*, *Spodoptera*); Notodontidae (*Datana*, *Ichthyura*); Sphingidae (*Ceratomia*); Zygaenidae (*Harrisina*).

sp. near *floridensis*: Pieridae (*Pieris*); Saturniidae (*Saturnia*).

omissa: Noctuidae (*Heliothis*, *Peridroma*, *Spodoptera*); Pieridae (*Colias*); Pyralidae (*Loxostege*).

subnitens probably: Zygaenidae (Gen. and sp. near *Triprocris*).

tachinomoides: Hesperidae (*Lerodea*); Lasiocampidae (*Malacosoma*, Apple tree tent caterpillar(-s)); Noctuidae (*Heliothis*, *Melipotis*, *Spodoptera*); Pieridae (*Pieris*); Psychidae (*Thyridopteryx*); Unidentified Lepidoptera (Green looper(-s)).

sp. near *tachinomoides*: Zygaenidae (*Harrisina*).

sp.: Diprionidae (*Neodiprion*).

Exorista

fasciata fasciata: Lymantriidae (*Byrdia*).

lobeliae: Lymantriidae (*Hemerocampa*); Noctuidae (*Acronicta*, *Alabama*).

sp. near *lobeliae*: Noctuidae (*Acronicta*).

mella: Tenthredinidae (*Macremphytus*); Arctiidae (*Apantes*, *Cycnia*, *Diacrisia*, *Estigmene*, *Euchaetias*, *Halisidota*, *Hypanthria*, *Isia*); Bombycidae (Unidentified Bombycidae); Danaidae (*Danaus*); Lasiocampidae (*Epicnaptera*, *Malacosoma*, *Tolyte*, Apple tree tent caterpillar(-s), Tent caterpillar(-s)); Lymantriidae (*Dasychira*, *Euproctis*, *Hemerocampa*, *Nygmia*, *Orgyia*, *Porthetria*, *Stilpnotia*, Tussock moth(-s)); Noctuidae (*Acronicta*, *Pseudaletia*, *Pyreferra*, *Simyra*); Notodontidae (*Datana*, *Ichthyura*, *Schizura*); Nymphalidae (*Nymphalis*, *Polygonia*); Saturniidae (*Callosamia*, *Hemileuca*).

mella probably: Arctiidae (*Estigmene*).

spp.: Arctiidae (*Diacrisia*, *Estigmene*, *Euchaetias*); Danaidae (*Danaus*); Geometridae (*Biston*); Lasiocampidae (*Malacosoma*); Lymantriidae (*Dasychira*, *Euproctis*, *Hemerocampa*, *Nygmia*, *Porthetria*, Tussock moth(-s)); Noctuidae (*Acronicta*, *Papaipema*); Notodontidae (*Cerura*); Olethreutidae and/or Pyralidae (Olethreutid and/or pyralid (including *Laspeyresia* and/or *Dioryctria* probably)); Pyralidae (*Acrobasis*, *Desmia*); Tortricidae (*Archips*).

spp. probably: Notodontidae (*Datana*); Unidentified Lepidoptera (Miscellaneous).

Guerinia

dydas: Diprionidae (*Diprion*); Tenthredinidae (*Allantus*, *Macremphytus*, *Pristiphora*); Unidentified Hymenoptera (Sawfly (-flies)).

rufostomata: Unidentified Hymenoptera (Sawfly(-flies)).

Palpexorista

coccyx: Limacodidae (*Phobetron*, *Sibine*); Notodontidae (*Datana*).

Parasetigena

agilis: Lasiocampidae (*Malacosoma*); Lymantriidae (*Porthetria*, *Stilpnotia*).

Pseudotachinomyia

slossonae: Geometridae (*Alsophila*, *Erannis*).

Spoggosia

gelida: Lymantriidae (*Dasychira* probably).

Stomatomyia

floridensis: Pyralidae (*Crambus*, *Elasmopalpus*, *Pyrausta*).

parvipalpis: HesperIIDae (*Hylephila*); Pyralidae (*Hulstia*, *Loxostege*); Gryllacrididae (*Stenopelmatus*); Unidentified Orthoptera (Pictured sand cricket(-s)).

sp.: Pyralidae (*Hellula*).

Tachinomyia

acosta: Noctuidae (*Lithophane*).

nigricans: Diprionidae (*Monoctenus*); Geometridae (*Alsophila*, *Ennomos*, *Erannis*, *Itame*, *Phigalia*); Lasiocampidae (*Malacosoma*); Lymantriidae (*Porthetria*); Noctuidae (*Acronicta*, *Baileya*, *Catocala*, *Lithophane*); Tortricidae (*Choristoneura*).

panaetius: Lasiocampidae (*Malacosoma*); Lymantriidae (*Hemerocampa*); Noctuidae (*Agrotis*, *Epiglaea*, Cutworm(-s)); Unidentified Lepidoptera (Moth(-s)).

sp. near *panaetius*: Noctuidae (*Acronicta*, *Catocala*, *Lithophane*, *Orthosia*).

similis: Arctiidae (*Halisidota*); Lasiocampidae (*Malacosoma*); Lymantriidae (*Hemerocampa*, *Stilpnotia*).

variata: Lasiocampidae (*Malacosoma*); Lymantriidae (*Porthetria*); Noctuidae (*Nephelodes*).

spp.: Geometridae (*Alsophila*, *Phigalia*); Lasiocampidae (*Malacosoma*); Lymantriidae (*Stilpnotia*); Noctuidae (*Acronicta*, *Catocala*, *Lithophane*, *Orthosia*, *Raphia*, Unidentified Catocalinae, Unidentified Noctuidae).

Tribe SIPHONINI

Subtribe CORONIMYIINA

Clausicella

floridensis: Olethreutidae (*Endothenia*, *Epiblema*, *Suleima*); Pyralidae (*Alberada*, *Homoeosoma*, *Plodia*).

neomexicana: Curculionidae (*Curculio*); Apidae (*Bombus*); Pyralidae (*Homoeosoma*, *Plodia*).

opaca: Noctuidae (*Peridroma*); Pyralidae (*Homoeosoma*).

turmalis: Geometridae (*Eupithecia*).

Coronimyia

geniculata: Pyralidae (*Moodna*, Unidentified Phycitinae); Pyralidae or Tortricidae (Unidentified Pyralidae or Tortricidae).

melitarae: Pyralidae (*Melitara*).

Drepanoglossa

amydriae: Tineidae (*Amydria*).

Ginglymia

acirostris: Pyralidae (*Parargyractis*).

Philocalia

tenuirostris: Tineidae (*Amydria*).

Subtribe SIPHONINA

Actia

americana: Notodontidae (*Schizura*).

diffidens: Olethreutidae (*Spilonota*); Tortricidae (*Acleris*, *Choristoneura*).

flavipes: Dioptidae (*Phryganidia*); Geometridae (*Brepheos*, *Cosymbia*).

interrupta: Geometridae (*Melanolopia*); Notodontidae (*Schizura*); Olethreutidae (*Epinotia*, *Grapholitha*); Tortricidae (*Acleris*, *Amorbia*, *Archippus*, *Archips*, *Choristoneura*, *Croesia*, *Phalonia*, *Xenotemna*, Unidentified Tortricidae).

sp. near *interrupta*: Tortricidae (*Archips*).

ontario: Geometridae (*Ennomos*).

palloris: Drepanidae (*Drepana*).

sp. near *palloris*: Geometridae (*Ennomos*, *Eugonobapta*).

spp.: Dioptidae (*Phryganidia*); Gelechiidae (*Gnorimoschema*); Noctuidae (*Catocala*, Unidentified Catocalinae); Notodontidae (*Heterocampa*); Olethreutidae (*Epinotia*, *Episimus*); Tortricidae (*Choristoneura*).

Eucoronimyia

hastata: Pyralidae (*Titanio*).

Pseudosiphona

brevirostris: Pterophoridae (*Oidaematophorus*).

Siphona

ceres: Noctuidae (Unidentified Noctuidae).

conata: Dioptidae (*Phryganidia*).

geniculata: Tipulidae (*Tipula*).

plusiae: Dioptidae (*Phryganidia*); Noctuidae (*Autographa*, *Trichoplusia*, Unidentified Noctuidae).

spp.: Tipulidae (Crane fly (flies)); Noctuidae (*Autographa*, *Trichoplusia*).

Strobliomyia

tibialis: Olethreutidae (*Grapholitha*).

Subtribe NEAERINA

Dichaetoneura

leucoptera: Nymphalidae (*Nymphalis*); Oecophoridae (*Depressaria*); Olethreutidae (*Epiblema*, *Grapholitha*); Tortricidae (*Archips*).

Elfia

aenea: Tortricidae (*Phalonia*).

sp. near *aenea*: Pyralidae (*Pyrausta*).

amplicornis: Glyphipterygidae (*Lotisma*).

curriei: Pyralidae (*Dioryctria*).

melissopodis: Curculionidae (*Curculio*); Olethreutidae (*Melissopus*).

palpigera: Pyralidae (*Acrobasis*).

sp. near *palpigera*: Tortricidae (*Argyrotaenia*).

setigera: Pyralidae (*Dioryctria*).

tarsalis: Pyralidae (*Pyralis*).

sp. near *usitata*: Oecophoridae (*Psilocorsis*).

spp.: Gelechiidae (*Coleotechnites*); Oecophoridae (*Psilocorsis*); Olethreutidae (*Epinotia*, *Melissopus*); Pterophoridae (*Platyptilia*).

Phytomyptera

walleyi: Olethreutidae (*Zeiraphera*).

Schizactia

vitinervis: Gelechiidae (*Aristotelia*, *Coleotechnites*, *Exoteleia*); Olethreutidae (*Epinotia*); Tineidae (Unidentified Tineidae).

Schizotachina

convecta: Pyralidae (*Acrobasis*); Tortricidae (*Croesia*).

sp.: Gelechiidae (*Chionodes*).

Tribe GRAPHOGASTRINI

Psolidopteryx

macdunnoughi: Scythridae (*Scythris*).

nuda: Olethreutidae (*Griselda*).

pollinosa: Gelechiidae (*Anarsia*).

pseudonuda: Tortricidae (*Acleris*).

psilocorsiphaga: Oecophoridae (*Psilocorsis*); Olethreutidae (*Epinotia*, *Eucosma*).

slossonae: Gelechiidae ("Telphusa" probably); Unidentified Lepidoptera (Leaf tier(-s)).

sp.: Olethreutidae (*Eucosma*).

Tribe ADMONTIINI

Admontia

degeerioides: Tipulidae (*Tipula*); Noctuidae (*Spodoptera*); Olethreutidae (*Grapholitha*).

pergandei: Tipulidae (*Tipula*).

spp.: Tipulidae (*Ctenophora*).

Tribe HYPERECTEININI

Cartocometes

io: Lasiocampidae (*Malacosoma*).

Gilvella

gilvipes: Gryllidae (Cricket(-s)).

Hyperecteina

aldrichi: Scarabaeidae (*Maladera*, *Popillia*).

Miamimya

cincta: Blattidae (*Periplaneta*).

Oedematocera

dampfi: Acrididae (*Schistocerca*).

flaveola: Gryllacrididae (*Ceuthophilus*).

flaveola probably: Gryllacrididae (*Ceuthophilus*).

Phasmophaga

antennalis: Phasmatidae (*Diapheromera*).

antennalis probably: Phasmatidae (*Anisomorpha*).

meridionalis: Phasmatidae (*Anisomorpha*).

Roeseliopsis

americana: Phasmatidae (*Anisomorpha*).

Tribe ERYTHROCERINI

Elodia

flavipalpis: Olethreutidae (*Grapholitha*).

subfasciata: Olethreutidae (*Grapholitha*).

tragica: Olethreutidae (*Grapholitha*).

Erynnia

tortricis: Coleophoridae (*Coleophora*); Gelechiidae (*Anarsia*, *Pectinophora*); Noctuidae (*Arzama*); Olethreutidae (*Ancylis*, *Evora*, *Grapholitha*, *Laspeyresia*, *Melissopus*, *Proteoteras*, *Rhyacionia*); Psychidae (*Thyridopteryx*); Pyralidae (*Desmia*, *Etiella*, *Homoeosoma*, *Moodna*); Tortricidae (*Acleris*, *Archips*, *Choristoneura*, *Platynota*, *Sparganothis*, Unidentified Tortricidae, Unidentified Tortricidae probably); Unidentified Lepidoptera (Miscellaneous).

spp.: Tortricidae (*Acleris*).

Ocytata

pallipes: Forficulidae (*Forficula*).

Tribe FRONTININI

Eleodiphaga

caffreyi: Tenebrionidae (*Eleodes*).

pollinosa: Tenebrionidae (*Eleodes*).

Tribe GONIINI

Subtribe GONIINA

Acroglossa

hesperidarum: Hesperidae (*Epargyreus*); Unidentified Lepidoptera (Butterfly(-flies)).

Eucnephalia

sp. probably: Noctuidae (*Protorthodes*).

Gonia

aldrichi: Noctuidae (*Agrotis*, *Crymodes*, *Euxoa*).

aldrichi probably: Noctuidae (*Euxoa*).

sp. near *aldrichi*: Noctuidae (*Agrotis*).

breviforceps: Noctuidae (*Euxoa*).

crassicornis: Scarabaeidae (*Phyllophaga*); Noctuidae (*Feltia*, *Prodenia*, *Spodoptera*).

frontosa: Meloidae (*Tetraonyx*); Noctuidae (*Crymodes*, *Feltia*).

fuscicollis: Noctuidae (*Euxoa*, *Feltia*).

longiforceps: Noctuidae (*Agrotis*, *Euxoa*).

longipulvilli: Noctuidae (*Agrotis*, *Feltia*, *Peridroma*).

porca: Noctuidae (*Peridroma*, *Pseudaletia*, Cutworm(-s)).

sagax: Geometridae (*Alsophila*).

"*sagax*": Arctiidae (Unidentified Arctiidae).

sequax: Noctuidae (*Agrotis*, *Peridroma*, *Spodoptera*).

texensis: Noctuidae (*Mocis*, *Spodoptera*).

spp.: Lymantriidae (*Nygmia*); Noctuidae (*Agrotis*, *Anticarsia*, *Crymodes*, *Euxoa*, *Heliothis*, *Lithophane*, *Peridroma*, *Scotogramma*, *Spodoptera*, Cabbage cutworm(-s)).

Spallanzania

hebes: Noctuidae (*Feltia*).

Subtribe CHAETOGAEDIINA

Chaetogaedia

analis: Arctiidae (Unidentified Arctiidae); Geometridae (*Ennomos*); Noctuidae (*Lacinipolia*).

sp. near *analis*: Noctuidae (*Heliothis*).

crebra: Noctuidae (*Agrotis*, *Protorthodes*, Cutworm(-s)); Pieridae (*Pieris*).

monticola: Danaidae (*Danaus*); Geometridae (*Eupithecia*, *Scotorythra*); Noctuidae (*Achaea*, *Actebia*, *Agrotis*, *Anomis*, *Autographa*, *Autoplusia*, *Carneades*, *Chrysodeixis*, *Elydna*, *Heliothis*, *Peridroma*, *Polydesma*, *Pseudaletia*, *Spodoptera*, Armyworm(-s) (including *Pseudaletia* and/or *Spodoptera*),

Armyworm(-s), Cutworm(-s) (including *Agrotis* and/or *Leucania*), Cutworm(-s), Unidentified Noctuidae); Nymphalidae (*Vanessa*); Pieridae (*Pieris*); Pyralidae (*Hedylepta*, *Hymenia*, *Oeobia*); Sphingidae (*Agrius*); Unidentified Lepidoptera (Miscellaneous).

monticola probably: Noctuidae (*Peridroma*).

sp. near *monticola*: Lasiocampidae (*Malacosoma*).

Gen. near *Chaetogaedia*

spp.: Noctuidae (*Litoprosopus*).

Tribe BELVOSIINI

Atacta

brasiliensis: Noctuidae (*Mocis*); Sphingidae (*Manduca*).

Belvosia

argentifrons: Unidentified Lepidoptera (Miscellaneous).

bicincta: Noctuidae (*Mocis*); Sphingidae (Hawk moth(-s)).

bifasciata: Citheroniidae (*Anisota*, *Citheronia*, *Eacles*); Noto-dontidae (*Datana*); Saturniidae (*Antheraea*, *Hemileuca*); Sphingidae (*Agrius*, *Ceratomia*); Unidentified Lepidoptera (Miscellaneous).

borealis: Sphingidae (*Ceratomia*).

ciliata: Hesperidae (Unidentified Hesperidae); Saturniidae (*Automeris*, *Copaxa*).

ferruginosa: Unidentified Lepidoptera (Miscellaneous).

formosa: Saturniidae (*Rothschildia*).

nigrifrons: Saturniidae (*Hyalophora*, *Rothschildia*).

recticornis: Saturniidae (*Hylesia*).

townsendi: Citheroniidae (*Citheronia*, *Eacles*); Sphingidae (*Ceratomia*); Unidentified Lepidoptera (Miscellaneous).

sp.: Citheroniidae (*Anisota*).

Choeteprosopa

hedemanni: Noctuidae (*Spodoptera*).

Triachora

luteola: Noctuidae (*Leucania*).

ochriventris: Noctuidae (Armyworm(-s)).

omissa: Noctuidae (*Feltia*).

unifasciata: Noctuidae (*Alabama*, *Pseudaletia*, Armyworm(-s)).

Tribe HARRISIINI

Leschenaultia

adusta: Arctiidae (*Arachnis*, *Ecpantheria*, *Estigmene*, *Halisidota*, *Hemihyalea*, Unidentified Arctiidae); Lasiocampidae (*Malacosoma*); Saturniidae (*Coloradia*).

americana: Arctiidae (*Halisidota*); Lasiocampidae (*Malacosoma*); Noctuidae (*Pyrophila*).

exul: Lasiocampidae (*Malacosoma*, Tent caterpillar(-s)).

fulvipes: Lasiocampidae (*Malacosoma*); Saturniidae (*Hemileuca*).

grossa: Arctiidae (Unidentified Arctiidae).

halisidotae: Arctiidae (*Halisidota*).

leucophrys: Arctiidae (*Ecpantheria*, *Estigmene*, *Euchaetias*); Lasiocampidae (*Malacosoma*); Lymantriidae (*Euproctis*); Sphingidae (*Paonias*, *Sphinx*, Unidentified Sphingidae); Unidentified Rodentia (Mouse (Mice) probably).

spp.: Arctiidae (*Halisidota*, Woolly bear(-s)); Lasiocampidae (*Malacosoma*); Lymantriidae (*Hemerocampa*); Unidentified Lepidoptera (Miscellaneous).

Parachaeta

fusca: Arctiidae (*Isia*).

spp.: Arctiidae (*Isia*); Unidentified Rodentia (Mouse (mice)).

Tribe STURMIINI

Blepharipa

schineri: Lymantriidae (*Porthetria*).

scutellata: Lasiocampidae (*Malacosoma*); Lymantriidae (*Euproctis*, *Porthetria*, *Stilpnotia*); Noctuidae (*Catocala*, *Lithophane*, Unidentified Catocalinae, Unidentified Noctuidae); Notodontidae (*Datana*, *Symmerista*).

sp.: Lymantriidae (*Porthetria*).

Drino

austrina: Pyralidae (Unidentified Pyralidae).

sp. near *bakeri*: Sphingidae (*Amphion*).

balloui: Sphingidae (*Sphinx* moth(-s), Unidentified Sphingidae).

bohemia: Diprionidae (*Diprion*, *Neodiprion*); Tenthredinidae (*Hemichroa*, *Pikonema*, *Pristiphora*); Unidentified Hymenoptera (Sawfly(-flies)).

cubaecola: Pyralidae (*Hedylepta*).

fraudulenta: Hesperidae (*Erynnis*).

inca: Sphingidae (*Agrius*, Unidentified Sphingidae).

incompta: Citheroniidae (*Eacles*); Saturniidae (*Hemileuca*); Sphingidae (*Agrius*, *Ceratomia*, *Hyles*, *Manduca*, *Pholus*, *Sphinx*, Unidentified Sphingidae).

inconspicua: Diprionidae (*Diprion*, *Neodiprion*); Geometridae (*Hydria*); Lasiocampidae (*Malacosoma*); Lymantriidae (*Hemerocampa*, *Porthetria*); Noctuidae (*Alypia*).

inconspicua probably: Diprionidae (*Diprion*).

rhoeo: Psychidae (*Thyridopteryx*); Sphingidae (*Agrius*, *Manduca*, *Pholus*, Sphinx moth(-s), Unidentified Sphingidae).

rhoeo probably: Sphingidae (*Manduca*).

sp.: Sphingidae (Sphinx moth(-s)).

Mystacella

chrysoprocta: Scarabaeidae (*Xyloryctes*).

spp.: Arctiidae (*Isia*); Noctuidae (*Acronicta*).

Pales

spp.: Tenebrionidae (*Meracantha*); Notodontidae (*Cerura*).

Palexorista

laxa: Noctuidae (*Heliothis*, *Spodoptera*).

Siphosturmia

confusa: Nymphalidae (*Euphydryas*).

phyciodis: Nymphalidae (*Phyciodes*).

Sturmia

harrisinae: Zygaenidae (*Harrisina*).

harrisinae probably: Zygaenidae (*Acoloithus*, *Harrisina*).

sp. near *harrisinae*: Zygaenidae (*Harrisina*).

"*tipulensis*": Tipulidae (Unidentified Tipulini).

spp.: Argidae (*Arge*); Citheroniidae (*Anisota*); Sphingidae (*Manduca*); Tortricidae (*Choristoneura*).

sp. probably: Saturniidae (*Hemileuca*).

Gen. of Sturmiini

spp.: Noctuidae (*Anticarsia*).

Gen. near Thysanomyia

spp.: Sphingidae (*Hemaris*).

Townsendiellomyia

nidicola: Lymantriidae (*Euproctis*, *Nygmia*, *Porthetria*).

Tribe WINTHEMIINI

Hemisturmia

tortricis: Glyphipterygidae (*Anthophila*); Nymphalidae (*Nymphalis*); Olethreutidae (*Ancylis*); Pterophoridae (*Pterophorus*); Pyralidae (*Acrobasis*); Tortricidae (*Acleris*, *Archips*, *Argyrotaenia*, *Choristoneura*, Unidentified Tortricidae).

Nemorilla

pyste: Coccinellidae (*Epilachna*); Gelechiidae (*Filatima*); Glyphipterygidae (*Anthophila*); HesperIIDae (*Urbanus*); Lycaenidae (*Strymon*); Lymantriidae (*Porthetria*); Noctuidae (*Achatodes*, *Heliothis*, *Prodenia*, *Spodoptera*, *Trichoplusia*); Oecophoridae (*Depressaria*); Olethreutidae (*Ancylis*, *Episimus*, *Evora*, *Exartema*, *Grapholitha*, *Rhopobota*, *Rhyacionia*, *Spilonota*); Pyralidae (*Acrobasis*, *Asciodes*, *Desmia*, *Dia-*

phania, *Diatraea*, *Hedylepta*, *Hellula*, *Herpetogramma*, *Hulstia*, *Hymenia*, *Loxostege*, *Maruca*, *Nephopteryx*, *Ostrinia*, *Pachyzancla*, *Phlyctaenia*, *Pilocrocis*, *Pococera*, *Psara*, *Pyrausta*, *Tetralopha*, Unidentified Pyralidae); Tortricidae (*Acleris*, *Adoxophyes*, *Amorbia*, *Aphelia*, *Archippus*, *Archips*, *Argyrotaenia*, *Choristoneura*, *Pandemis*, *Sparganothis*, Unidentified Tortricidae); Yponomeutidae (*Yponomeuta*); Unidentified Lepidoptera (Miscellaneous).

pyste probably: Pyralidae (*Acrobasis*).

sp. near *pyste*: Pyralidae (*Acrobasis*, *Asciodes*).

"*trivittata*" probably: Noctuidae (*Acronicta*).

spp.: Tortricidae (*Choristoneura*).

Omotoma

fumiferanae: Geometridae (*Alsophila*, *Phigalia*); Noctuidae (*Amphipyra*, *Lithophane*, *Pyreferra*, *Spodoptera*); Tortricidae (*Choristoneura*).

Winthemia

abdominalis: Noctuidae (*Spodoptera*).

borealis: Noctuidae (*Scoliopteryx*).

cecropia: Saturniidae (*Actias*, *Antheraea*, *Platysamia*).

citheroniae: Citheroniidae (*Citheronia*, *Eacles*).

datanae: Arctiidae (*Diacrisia*, *Estigmene*, *Euchaetias*, Unidentified Arctiidae); Citheroniidae (*Anisota*); Lasiocampidae (*Malacosoma*); Lymantriidae (*Hemerocampa*); Noctuidae (*Pseudaletia*, Unidentified Catocalinae); Notodontidae (*Datana*, *Dicentria*, *Hyperaeschra*, *Pheosia*, *Schizura*); Saturniidae (*Platysamia*); Sphingidae (*Ceratomia*, *Cressonia*, *Paonias*, *Sphinx*).

datanae probably: Arctiidae (*Isia*); Noctuidae (*Acronicta*); Saturniidae (*Samia*).

sp. near *datanae*: Citheroniidae (*Anisota*).

deilephilae: Sphingidae (*Hyles*).

deilephilae probably: Sphingidae (*Sphinx*).

"*diversoides*": Geometridae (*Anacamptodes*); Noctuidae (*Achaea*).

infesta: Noctuidae (*Spodoptera*, Armyworm(-s)).

intermedia: Noctuidae (*Pseudoplusia*).

leucanae: Noctuidae (*Euthisanotia*, *Peridroma*, *Pseudaletia*, *Spodoptera*, Armyworm(-s), Cutworm(-s)); Pyralidae (*Pyralis*); Saturniidae (*Platysamia*); Sphingidae (*Manduca*).

leucanae lacking red at tip: Lasiocampidae (*Malacosoma*); Noctuidae (*Peridroma*, Agrotidian(-s)); Notodontidae (*Datana*); Saturniidae (*Platysamia*).

leucanae probably: Noctuidae (*Euthisanotia*, *Pseudaletia*).

militaris: HesperIIDae (*Thymelicus*); Noctuidae (*Pseudaletia*, Armyworm(-s)); Saturniidae (*Platysamia*); Acrididae (Grasshopper(-s)).

militaris probably: Noctuidae (*Pseudaletia*).

sp. near *militaris*: Lasiocampidae (*Malacosoma*); Noctuidae (*Pseudaletia*).

occidentis: Geometridae (*Lambdina*).

ostensackenii: Noctuidae (*Pseudaletia*).

quadripustulata: Curculionidae (*Curculio*, Unidentified Curculionidae); Diprionidae (*Diprion*); Arctiidae (*Halisidota*, White woolly bear(-s)); Bombycidae (Unidentified Bombycidae); Citheroniidae (*Anisota*); Geometridae (*Cingilia*, *Ematurga*); Lymantriidae (*Hemerocampa*, *Stilpnotia*, Tussock moth(-s)); Noctuidae (*Alypia*, *Amathes*, *Caenurgina*, *Cucullia*, *Euxoa*, *Faronta*, *Feltia*, *Heliothis*, *Leucania*, *Lithophane*, *Papaipema*, *Peridroma*, *Plathypena*, *Platysenta*, *Pseudaletia*, *Schinia*, *Spodoptera*, *Trichoplusia*, *Xylena*, Armyworm(-s), Cutworm(s), Cutworm(-s) and related Noctuidae, Unidentified Noctuidae); Notodontidae (*Datana*, *Heterocampa*, *Schizura*); Olethreutidae (*Spilonota*); Pyralidae (*Loxostege*); Saturniidae (*Antheraea*, *Callosamia*, *Platysamia*); Sphingidae (*Hemaris*, *Hyles*, *Manduca*, *Pachysphinx*, *Pholus*, *Sphinx*, Unidentified Sphingidae); Unidentified Lepidoptera (Miscellaneous).

quadripustulata probably: Noctuidae (*Ceramica*, *Epiglaea*, *Pseudaletia*); Nymphalidae (*Nymphalis*).

rufopicta: Geometridae (*Alsophila*, Cankerworm(-s)); Lasiocampidae (Tent caterpillar(-s)); Noctuidae (*Alypia*, *Anticarsia*, *Ceramica*, *Cucullia*, *Heliothis*, *Lithophane*, *Luperina*, *Oligia*, *Papaipema*, *Peridroma*, *Platysenta*, *Pseudaletia*, *Spaelotis*, *Spodoptera*, *Trichoplusia*, *Xylena*, Armyworm(-s)), Noctuid (including *Mamestra* and/or *Peridroma*), Noctuid (including *Heliothis*, *Prodenia* and/or *Spodoptera*); Sphingidae (*Hemaris*, Unidentified Sphingidae).

rufopicta probably: Noctuidae (*Amathes*, *Amphipyra*, *Epiglaea*); Notodontidae (*Heterocampa*).

sinuata: Geometridae (*Cingilia*, *Erannis*); Hesperiidae (*Thymelicus*); Lasiocampidae (*Tolyte*); Noctuidae (*Luperina*, *Plathypena*, *Spodoptera*); Notodontidae (*Schizura*).

sinuata probably: Geometridae (*Cingilia*, Unidentified Geometridae); Noctuidae (*Calpe*); Nymphalidae (*Nymphalis*).

tricolor: Saturniidae (*Samia*).

venusta probably: Geometridae (*Lambdina*).

spp. (*leucanae* probably or *militaris*): Noctuidae (*Pseudaletia*).

spp. (*quadripustulata* or allied sp.: *datanae*, *sinuata* or *vesiculata*): Chrysomelidae (*Leptinotarsa*).

spp.: Arctiidae (*Hyphantria*); Geometridae (*Lambdina*); Megalopygidae (*Megalopyge*); Noctuidae (*Catocala*, *Heliothis*, *Pseudaletia*, *Spodoptera*, Cutworm(-s)); Notodontidae (*Ichthyura*, *Schizura*, *Symmerista*); Pieridae (*Eucheira*); Saturniidae (*Callosamia*, *Hemileuca*, *Platysamia*); Sphingidae (*Manduca*); Tortricidae (*Choristoneura*).

spp. probably: Noctuidae (*Heliothis*).

Tribe CARCELIINI

Carcelia

amplexa: Arctiidae (*Ecpantheria*); Lymantriidae (*Euproctis*, *Hemerocampa*, *Orgyia*, *Porthetria*, Tussock moth(-s)); Megalopygidae (*Lagoa*, *Megalopyge*); Noctuidae (*Plathypena*, *Spodoptera*); Sphingidae (*Manduca*).

diacrisiae: Arctiidae (*Diacrisia*, *Estigmene*).

formosa: Noctuidae (*Acronicta*, *Agrotis*, *Lithophane*); Saturniidae (*Automeris*).

illota: Noctuidae (*Heliothis*).

lagoae: Arctiidae (*Ecpantheria*, *Halisidota*); Megalopygidae (*Megalopyge*); Pyralidae (*Eulepte*, *Omphalocera*).

laxifrons: Arctiidae (*Apantesis*, Unidentified Arctiidae); Lasiocampidae (*Malacosoma*); Lymantriidae (*Euproctis*, *Nygmia*, *Porthetria*); Notodontidae (*Schizura*).

malacosomae: Tenthredinidae (Unidentified Tenthredinidae); Arctiidae (*Hyphantria*, *Turuptiana*); Lasiocampidae (*Malacosoma*); Notodontidae (*Datana*); Saturniidae (*Hemileuca*).

malacosomae probably: Arctiidae (*Apantesis*, *Arachnis*, *Turuptiana*); Lasiocampidae (*Malacosoma*, American tent caterpillar(-s)); Tortricidae (*Archips*).

"ochracea": Pyralidae (*Ostrinia*).

olenensis: Lymantriidae (*Dasychira*).

perplexa: Lymantriidae (*Dasychira*, *Hemerocampa*).

protuberans: Arctiidae (*Hyphantria*); Lasiocampidae (*Malacosoma*).

reclinata: Arctiidae (*Diacrisia*, *Ecpantheria*, *Estigmene*, *Phragmatobia*, Unidentified Arctiidae); Unidentified Lepidoptera (Miscellaneous).

reclinata probably: Arctiidae (*Estigmene*, *Phragmatobia*).

yalensis: Arctiidae (*Halisidota*); Lymantriidae (*Hemerocampa*, *Orgyia*); Unidentified Lepidoptera (Miscellaneous).

spp.: Arctiidae (*Ecpantheria*, Unidentified Arctiidae); Limacodidae (*Adoneta*, *Phobetron*); Lymantriidae (*Dasychira*); Noctuidae (*Alypia*, *Peridroma*, *Pseudaletia*); Notodontidae (*Datana*); Olethreutidae (*Melissopus*); Pyralidae (*Pantographa*); Sphingidae (*Manduca*).

Eusisyropa

autographae: Noctuidae (*Trichoplusia*).

blanda: Arctiidae (*Hyphantria*); Citheroniidae (*Anisota*); Gelechiidae (Gelechiid webber(-s)); Geometridae (*Cingilia*, *Ennomos*, *Hydria*, *Isturgia*, *Lambdina*, *Nepytia*); HesperIIDae (*Calpodes*, *Epargyreus*, *Erynnis*); Limacodidae (*Euclea*); Lymantriidae (*Euproctis*, *Nygma*, *Orgyia*, *Stilpnotia*); Noctuidae (*Alabama*, *Catocala*, *Hypena*, *Mocis*, *Phosphila*, *Plathypena*, *Spodoptera*, Unidentified Catocalinae); Nymphalidae (*Nymphalis*, *Polygonia*, *Vanessa*); Oecophoridae (*Depressaria*, *Psilocorsis*); Olethreutidae (*Gretchena*); Psychidae (*Thyridopteryx*); Pyralidae (*Acrobasis*, *Alatuncusia*, *Dichogama*, *Loxostege*, *Nephopteryx*, *Tetralopha*); Sphingidae (*Smerinthus*, *Sphecodina*); Tortricidae (*Archips*, *Argyrotaenia*, Unidentified Tortricidae); Unidentified Lepidoptera (Miscellaneous, Oakworm(-s)).

blanda probably: Gelechiidae (*Filatima*); Noctuidae (*Anomis*).

boarmiae: Arctiidae (*Hyphantria*); Geometridae (*Isturgia*); Noctuidae (*Alabama*, *Hypena*, *Plathypena*); Pyralidae (*Acrobasis*, *Dichogama*, *Loxostege*); Tortricidae (*Archips*); Yponomeutidae (*Urodus*).

boarmiae probably: Noctuidae (*Plathypena*); Pyralidae (*Acrobasis*).

virilis: Arctiidae (*Hyphantria*); Danaidae (*Danaus*); Dioptidae (*Phryganidia*); Geometridae (*Anacamptodes*, *Cingilia*, *Ennomos*, *Melanolophia*, *Phigalia*); HesperIIDae (*Epargyreus*); Limacodidae (*Euclea*); Lymantriidae (*Porthetria*); Noctuidae (*Acronicta*, *Papaipema*, *Phosphila*, *Polia*, *Simyra*); Notodontidae (*Gluphisia*, *Ichthyura*); Nymphalidae (*Polygonia*, *Vanessa*); Pieridae (*Eucheira*); Psychidae (*Thyridopteryx*); Saturniidae (*Callosamia*, *Platysamia*); Sphingidae (*Ceratomia*).

Gymnocarcelia

ricinorum: Arctiidae (*Apantesis*, *Diacrisia*, *Ecpantheria*, *Estigmene*, *Utethesia*, Unidentified Arctiidae); Noctuidae (*Pseudaletia*, Unidentified Noctuidae).

ricinorum probably: Arctiidae (*Ecpantheria*, *Estigmene*).

sp.: Arctiidae (*Estigmene*).

Hubneria

estigmenensis: Arctiidae (*Diacrisia*, *Estigmene*, *Isia*, *Phragmatobia*, Unidentified Arctiidae).

Hyphantrophaga

desmiae: Pyralidae (*Desmia*).

euchaetiae: Arctiidae (*Cycnia*, *Euchaetias*); Pyralidae (*Pyrausta*).

hyphantriae: Arctiidae (*Cycnia*, *Euchaetias*, *Hyphantria*); Citheroniidae (*Anisota*); Geometridae (*Eucaterva*, *Lygris*); Lasiocampidae (*Gloveria*, *Malacosoma*); Megalopygidae (*Megalopyge*); Noctuidae (*Heliothis*, *Spodoptera*); Nymphalidae (*Nymphalis*); Pyralidae (*Acrobasis*, *Desmia*, *Loxostege*, *Omphalocera*, *Pempelia*, Unidentified Pyralidae); Sphingidae (*Ceratonia*).

sp.: Nymphalidae (*Nymphalis*).

Sisyropa

alypiae: Noctuidae (*Alypia*, *Psychomorpha*).

alypiae probably: Noctuidae (*Alypia*).

eudryae: Arctiidae (*Estigmene*, Unidentified Arctiidae); Noctuidae (*Acronicta*, *Agrotis*, *Alypia*, *Euthisanotia*); Nymphalidae (*Vanessa*); Saturniidae (*Automeris*); Unidentified Lepidoptera (Moth(-s)).

eudryae probably: Noctuidae (*Acronicta*); Notodontidae (*Fen-tonia*); Nymphalidae (*Vanessa*).

spp.: Arctiidae (*Arachnis*); Lymantriidae (*Hemerocampa*); Megalopygidae (*Megalopyge*); Noctuidae (*Acronicta*, *Agrotis*); Notodontidae (*Heterocampa*).

Tribe EUMASICERINI**Argyrophylax**

albincisa: Pyralidae (*Eulepte*, *Hedylepta*, *Hymenia*, *Maruca*, *Pilemia*, *Pilocrocis*, *Psara*).

spp.: Pyralidae (*Etiella*); Saturniidae (*Hemileuca*); Sphingidae (*Agrius*, *Ceratonia*, *Pholus*).

sp. probably: Arctiidae (*Estigmene*).

Eumasicera

sternalis: Citheroniidae (*Anisota*).

sp. near *sternalis*: Noctuidae (*Acronicta*).

Metopiops

pyralidis: Nymphalidae (*Vanessa*); Pyralidae (Unidentified Pyralidae).

sp. near *pyralidis*: Pyralidae (*Tetralopha*).

Pacidianus

persimilis: Citheroniidae (*Anisota*).

sp.: Citheroniidae (*Anisota*).

Pseudochaeta

- argentifrons*: Arctiidae (*Cisthene*, *Tigrioides*); Bombycidae (Unidentified Bombycidae); Pyralidae (*Loxostege*).
siminina: Pyralidae (*Macrobotys*, *Palpita*).

Tribe ERYCIINI**Aplomya**

- caesar*: Arctiidae (*Diacrisia*); Gracillariidae (*Gracillaria*); Lymantriidae (*Nygmia*); Noctuidae (*Papaipema*); Olethreutidae (*Laspeyresia*); Pyralidae (*Crambus*, *Dioryctria*, *Loxostege*, *Ostrinia*, *Phlyctaenia*, *Pyrausta*); Tortricidae (*Amorbia*, *Archips*, *Argyrotaenia*, *Choristoneura*, *Pandemis*, *Phaenocarpa*, *Tortricid* spp. (including *Amorbia*, *Archips*, *Argyrotaenia*, *Choristoneura* and/or *Pandemis*)).
caesar probably: Tortricidae (*Archips*).
cerurae: Notodontidae (*Cerura*).
confusionis: Pyralidae (*Crambus*).
crassiseta: Tortricidae (*Choristoneura*).
epicydes: Cimbicidae (*Cimbex*).
fronto: Pamphiliidae (*Acantholyda*, *Neurotoma*).
helvina: Arctiidae (*Ecpantheria*); Geometridae (*Biston*, *Phaeoura*, Unidentified Geometridae).
mitis: Pyralidae (*Ostrinia*).
neurotomae: Pamphiliidae (*Neurotoma*).
pheosiae: Noctuidae (*Alypia*); Notodontidae (*Pheosia*).
theclarum: Lasiocampidae (*Gloveria*); Lycaenidae (*Brephidium*, *Celastrina*, *Lycaeides*, *Lycaena*, *Strymon*, Unidentified Lycaenidae); Unidentified Lepidoptera (Miscellaneous).
trichiosomae: Cimbicidae (*Trichiosoma*).
trisetosa: Noctuidae (*Autographa*, *Nephelodes*); Pyralidae (*Loxostege*).

Buquetia

- musca*: Papilionidae (*Papilio*).
obscura: Danaidae (*Danaus*); Papilionidae (*Papilio*).

Catagoniopsis

- meracanthae*: Tenebrionidae (*Meracantha*).
 sp. near *specularis*: Diprionidae (*Diprion*).

Ceromasia

- auricaudata*: Arctiidae (*Hyphantria*); Olethreutidae (*Sciaphila*); Pieridae (*Pieris*); Pyralidae (*Galleria*, *Ostrinia*); Tortricidae (*Archips*, *Choristoneura*).
aurifrons: Geometridae (*Cingilia*); Noctuidae (*Hypena*); Tortricidae (*Choristoneura*); Unidentified Lepidoptera (Miscellaneous).

spp.: Geometridae (*Lycia*, *Phigalia*); Noctuidae (*Archanara*, *Papaipema*); Tortricidae (*Choristoneura*).

Chrysoexorista

dawsoni: Geometridae (*Lambdina*); Olethreutidae (*Laspeyresia*).

marginata: Geometridae (*Hydria*); Olethreutidae (*Laspeyresia*).

ochracea: Olethreutidae (*Laspeyresia*).

Cyzenis

albicans: Geometridae (*Alsophila*, *Operophtera*); Lasiocampidae (*Malacosoma*); Olethreutidae (*Pseudexentera*).

"*festinans*" probably: Olethreutidae (*Pseudexentera*).

spp.: Olethreutidae (*Pseudexentera*).

Euceromasia

floridensis: Yponomeutidae (*Urodus*).

Euexorista

futilis: Arctiidae (*Apantesis*, *Euchaetias*, *Isia*); Geometridae (*Ennomos*); HesperIIDae (*Thymelicus*); Lasiocampidae (*Malacosoma*); Noctuidae (*Apamea*, *Autographa*, *Hyppa*, *Nephe-
lodes*, *Nycteola*, *Sideridis*); Nymphalidae (*Nymphalis*, *Vanessa*); Pyralidae (*Ostrinia*); Saturniidae (*Antheraea*); Unidentified Lepidoptera (Miscellaneous).

Eufrontina

ethniae: Ethmiidae (*Ethmia*).

spectabilis: Pyralidae (*Canarsia*, *Tetralopha*).

Frontiniella

parancilla: Gelechiidae (*Gnorimoschema*); Pyralidae (*Tetra-
lopha*).

Lespesia

aletiae: Coccinellidae (*Epilachna*); Arctiidae (*Diacrisia*, *Estig-
mene*, *Halisidota*, *Hyphantria*, *Seirarctia*, *Utetheisa*, Unidenti-
fied Arctiidae); Brassolidae (*Opsiphanes*); Ctenuchidae (*Ceramidia*, *Syntomeida*); Geometridae (*Ennomos*); Hesperi-
idae (*Autochton*, *Epargyreus*, *Urbanus*); Lasiocampidae (*Malacosoma*); Limacodidae (*Sibine*); Lymantriidae (*Hemero-
campa*, *Orgyia*, *Porthetria*, *Stilpnotia*, Tussock moth(-s)); Megalopygidae (*Megalopyge*); Noctuidae (*Alabama*, *Heliothis*, *Mocis*, *Plathypena*, *Pseudaletia*, *Pseudoplusia*, *Spodoptera*, *Trichoplusia*, *Xanthopastis*); Notodontidae (*Cerura*, *Dasy-
lophia*, *Datana*, *Heterocampa*); Nymphalidae (*Asterocampa*, *Nymphalis*, *Polygonia*, *Vanessa*); Pieridae (*Pieris*); Pyralidae (*Evergestis*, *Olycella*); Saturniidae (*Hemileuca*); Sphingidae (*Ceratomia*, *Pholus*); Unidentified Lepidoptera (Miscellane-
ous).

aletiae probably: Ctenuchidae (*Lymire*).

archippivora: Tenthredinidae (*Pristiphora*); Arctiidae (*Estigmene*, *Euchaetias*, *Halisidota*, *Tyria*); Citheroniidae (*Citheronia*); Danaidae (*Danaus*); Geometridae (*Anacamptodes*, *Scotorythra*); Lasiocampidae (*Malacosoma*, Tent caterpillar(-s)); Lycaenidae (*Lampides*); Noctuidae (*Agrotis*, *Alypia*, *Anomis*, *Autographa*, *Elydna*, *Euxoa*, *Feltia*, *Heliothis*, *Peridroma*, *Polydesma*, *Pseudaletia*, *Scotogramma*, *Spodoptera*, *Trichoplusia*, Armyworms (including *Pseudaletia* and/or *Spodoptera*), Armyworm(-s), Cutworms (including *Agrotis* and/or *Leucania*), Cutworm(-s), Noctuid (including *Mamestra* and/or *Peridroma*); Noctuidae and/or Pyralidae (Noctuid and/or pyralid (including *Scotogramma* and/or *Loxostege*)); Notodontidae (*Schizura*); Nymphalidae (*Anaea*, *Nymphalis*, *Vanessa*); Papilionidae (*Papilio*); Pieridae (*Colias*, *Pieris*); Pyralidae (*Hedylepta*, *Loxostege*); Yponomeutidae (*Mapsidius*); Unidentified Lepidoptera (Cabbage worm(-s), Miscellaneous).

archippivora probably: Noctuidae (*Spodoptera*); Nymphalidae (*Vanessa*); Sphingidae (*Sphinx*).

callosamiae: Saturniidae (*Callosamia*).

ciliata: Bombycidae (*Bombyx*); Lasiocampidae (*Malacosoma*); Pyralidae (*Loxostege*); Saturniidae (*Hyalophora*, *Platysamia*).

cuculliae: Noctuidae (*Cucullia*); Notodontidae (*Dasylophia*, *Datana*).

cuculliae probably: Notodontidae (*Dasylophia*).

sp. near *cuculliae*: Arctiidae (*Estigmene*).

datanarum: Citheroniidae (*Anisota*); Notodontidae (*Datana*); Saturniidae (*Antheraea*).

dimmocki: Noctuidae (*Simyra*); Saturniidae (*Automeris*); Unidentified Lepidoptera (Miscellaneous).

dubia: Nymphalidae (*Nymphalis*).

euchaetiae: Arctiidae (*Euchaetias*, *Halisidota*).

flavifrons: Sphingidae (*Paonias*, *Smerinthus*).

frenchii: Apidae (*Bombus*); Arctiidae (*Diacrisia*, *Euchaetias*, *Halisidota*, *Hyphantria*); Bombycidae (Unidentified Bombycidae); Citheroniidae (*Anisota*, *Citheronia*, *Eacles*); Geometridae (Unidentified Geometridae); Lasiocampidae (*Malacosoma*, American tent caterpillar(-s), Tent caterpillar(-s)); Lymantriidae (*Hemerocampa*, *Nygma*, *Porthetria*, *Stilpnotia*); Noctuidae (*Faronta*, *Heliothis*, *Hydroecia*, *Hypso-ropha*, Unidentified Noctuidae); Notodontidae (*Datana*, *Ichthyura*); Nymphalidae (*Nymphalis*, *Vanessa*); Papilionidae (*Papilio*); Pieridae (*Pieris*); Pyralidae (Unidentified Pyralidae); Saturniidae (*Actias*, *Antheraea*, *Attacus*, *Automeris*, *Callo-*

samia, *Hyalophora*, *Platysamia*, *Samia*, *Syssphinx*); Sphingidae (*Ceratomia*, *Manduca*, *Pachysphinx*, *Paonias*, *Smerinthus*, *Sphinx*, Unidentified Sphingidae); Unidentified Lepidoptera (Miscellaneous); Acrididae (*Dissosteira*).

frenchii complex: Notodontidae (*Datana*).

laniiferae: Pyralidae (*Laniifera*).

sp. near *laniiferae*: Arctiidae (*Eupseudosoma*).

melalophae: Geometridae (*Metanema*); Lasiocampidae (*Malacosoma*); Noctuidae (*Nycteola*); Notodontidae (*Ichthyura*).

pholi: Sphingidae (*Pholus*).

rileyi: Papilionidae (*Papilio*).

sabroskyi: Saturniidae (*Antheraea*, *Automeris*, *Platysamia*).

schizurae: Arctiidae (*Euchaetias*); Danaidae (*Danaus*); Lasiocampidae (*Malacosoma*); Notodontidae (*Heterocampa*, *Schizura*); Sphingidae (*Pholus*).

testacea: Noctuidae (*Xerociris*); Sphingidae (*Pholus*).

spp.: Arctiidae (*Ecpantheria*); Citheroniidae (*Anisota*, *Citheronia*); Ctenuchidae (*Syntomeida*); Danaidae (*Danaus*); Lasiocampidae (*Malacosoma*); Lycaenidae (*Strymon*); Lymantriidae (*Hemerocampa*); Megathymidae (*Megathymus*); Noctuidae (*Acronicta*, *Autographa*, *Celama*, *Faronta*, *Heliothis*, *Hypso-ropha*, *Simyra*, *Spodoptera*, *Trichoplusia*, Unidentified Noctuidae); Notodontidae (*Datana*, *Heterocampa*, *Ichthyura*); Nymphalidae (*Vanessa*); Olethreutidae (*Eucosma*, *Grapholitha*); Pieridae (*Colias*, *Pieris*); Psychidae (*Oiketicus*); Pyralidae (*Diatraea*, *Laniifera*, *Melitara*, *Pyrausta*, Unidentified Pyralidae); Saturniidae (*Antheraea*, *Hemileuca*, *Rothschildia*); Sphingidae (*Ceratomia*, *Manduca*); Acrididae (*Dissosteira*, *Melanoplus*, Locust(-s)).

Lydella

deckeri: Noctuidae (*Papaipema*).

radicis: Noctuidae (*Achatodes*, *Archanara*, *Arzama*, *Hydroecia*, *Luperina*, *Macronoctua*, *Papaipema*); Olethreutidae (*Epiblema*); Pyralidae (*Ostrinia*); Unidentified Lepidoptera (Miscellaneous).

radicis probably: Noctuidae (*Achatodes*, *Papaipema*).

thompsoni: Noctuidae (*Papaipema*); Pyralidae (*Galleria*, *Ostrinia*).

sp. probably: Argidae (*Arge*).

Madremyia

saundersii: Curculionidae (*Hypera*); Danaidae (*Danaus*); Geometridae (*Cingilia*, *Coryphista*, *Deuteronomos*, *Ennomos*, *Lambdina*); Lasiocampidae (*Malacosoma*); Lymantriidae (*Euproctis*, *Nygmia*); Noctuidae (*Agrotis*, *Autographa*, *Epiglaea*,

Peridroma, *Pseudaletia*, *Trichoplusia*, *Xylota*); Nymphalidae (*Nymphalis*, *Speyeria*, *Vanessa*); Olethreutidae (*Sciaphila*); Pieridae (*Pieris*); Pyralidae (*Ostrinia*); Tortricidae (*Acleris*, *Choristoneura*); Unidentified Lepidoptera (Looper(-s), Miscellaneous).

"Masicera"

"*tantilla*": Pyralidae (*Acigona*).

spp.: Citheroniidae (*Anisota*); Noctuidae (*Simyra*); Pieridae (*Colias*); Sphingidae (*Manduca*).

Metagonistylum

minense: Pyralidae (*Diatraea*).

Nilea

carpocapsae: Olethreutidae (*Laspeyresia*).

noctuiiformis: Noctuidae (Unidentified Noctuidae); Olethreutidae (*Laspeyresia*).

sp. near *noctuiiformis*: Noctuidae (*Acronicta*).

sternalis: Noctuidae (*Acronicta*); Tortricidae (*Archips*).

Obolocera

rapae: Pieridae (*Pieris*).

Palpozenillia

palpalis: Castniidae (*Castnia*); Pyralidae (*Diatraea*).

Patelloa

fuscimacula: Lymantriidae (*Hemerocampa*); Saturniidae (*Antheraea*).

leucaniae: Lymantriidae (*Euproctis*, *Hemerocampa*); Noctuidae (*Alabama*, *Pseudaletia*, Armyworm(-s)); Notodontidae (*Dana*, *Heterocampa*); Psychidae (*Thyridopteryx*); Pyralidae (*Loxostege*); Unidentified Lepidoptera (Miscellaneous).

leucaniae probably: Lymantriidae (*Euproctis*).

sp. near *leucaniae*: Chrysomelidae (*Lema*).

pachypyga: Lasiocampidae (*Malacosoma*); Lymantriidae (*Euproctis*, *Nygma*).

pachypyga probably: Nymphalidae (*Nymphalis*).

spp.: Geometridae (*Drepanulatrix*); Noctuidae (*Crocigraha*).

"Phorocera"

comstocki: Diprionidae (Diprionid (including *Diprion* and/or *Neodiprion*)); Cossidae (*Cossula*); Megathymidae (*Megathymus*); Pyralidae (*Melitara*, *Olycella*, *Ostrinia*).

halisidotae: Arctiidae (*Halisidota*).

incrassata: Tortricidae (*Choristoneura*).

"*parva*": Pyralidae (*Loxostege*, *Udea*); Tortricidae (*Argyrotaenia*).

signata: Cossidae (*Cossula*); Noctuidae (*Papaipema*).

texana: Megathymidae (*Agathymus*); Pyralidae (*Melitara*, *Olycella*).

“*victoria*”: Arctiidae (Unidentified Arctiidae probably).

spp.: Diprionidae (*Neodiprion*); Tenthredinidae (*Pristiphora*); Unidentified Hymenoptera (Pitch pine sawfly(-flies)); Arctiidae (*Estigmene*); Lymantriidae (*Hemerocampa*); Noctuidae (*Trichoplusia*, Armyworm(-s)); Nymphalidae (*Chlosyne*, *Nymphalis*); Pieridae (*Colias*); Pyralidae (*Diatraea*, *Laniifera*, *Loxostege*); Zygaenidae (*Harrisina*); Unidentified Lepidoptera (Hog moth(-s)).

Phryxe

pecosensis: Tenthredinidae (*Pikonema*); Danaidae (*Danaus*); Geometridae (*Alsophila*, *Cingilia*, *Ennomis*, *Erannis*, *Lambdina*, *Operophtera*); Hesperidae (*Thymelicus*); Noctuidae (*Heptagrotis*, *Lithophane*, *Pseudaletia*, Noctuid (including *Mamestra* and/or *Peridroma*), Unidentified Noctuidae); Pieridae (*Pieris*); Pyralidae (*Dioryctria*, *Nephopteryx*); Saturniidae (*Hemileuca*); Tortricidae (*Acleris*, *Aphelia*, *Archips*, *Choristoneura*); Unidentified Lepidoptera (Miscellaneous).

pecosensis probably: Geometridae (*Synchlora*); Noctuidae (*Nephelodes*); Pyralidae (*Ostrinia*); Tortricidae (*Choristoneura*).

vulgaris: Danaidae (*Danaus*); Geometridae (*Alsophila*, *Cingilia*, *Ennomos*, *Erannis*); Lymantriidae (*Porthetria*); Noctuidae (*Lithophane*, *Pseudaletia*, *Trichoplusia*, Unidentified Noctuidae); Pieridae (*Pieris*); Pyralidae (*Evergestis*, *Loxostege*); Saturniidae (*Hemileuca*); Tortricidae (*Archips*, *Choristoneura*).

sp.: Pyralidae (*Loxostege*).

Pilatea

arator: Tipulidae (Unidentified Tipulidae); Lasiocampidae (*Malacosoma*).

delecta: Noctuidae (*Autographa*).

Prophryno

marginalis: Geometridae (*Semiothisa*).

parviteres: Geometridae (*Melanchroia*); Noctuidae (*Plathypena*); Pieridae (*Ascia*).

“Prosopaea”

spp.: Noctuidae (*Aletia*); Notodontidae (*Cerura*); Sphingidae (*Smerinthus*).

Pseudoperichaeta

erecta: Meloidae (*Epicauta*); Noctuidae (*Nycteola*); Notodontidae (*Schizura*); Olethreutidae (*Episimus*, *Evora*, *Grapholitha*, *Melissopus*, *Spilonota*); Pyralidae (*Desmia*, *Loxostege*,

Macrobotys, *Ostrinia*, *Pachyzancla*, *Pantographa*, *Phlyctaenia*, *Pyrausta*); Tortricidae (*Amorbia*, *Archips*, *Argyrotaenia*, *Choristoneura*, Tortricid (including *Amorbia*, *Archips*, *Argyrotaenia*, *Choristoneura*, and/or *Pandemis*)); Unidentified Lepidoptera (Leaf roller(-s)).

erecta probably: Tortricidae (*Amorbia*).

sp. near *erecta*: Olethreutidae (*Melissopus*).

insidiosa: Olethreutidae (*Grapholitha*); Pyralidae (*Ostrinia*).

Thelymyia

mathesoni: Lymantriidae (Tussock moth(-s) probably).

Trepophrys

cinerea: Tineidae (*Amydria*).

Tsugaea

nox: Diprionidae (*Neodiprion*).

Zenillia

blandita: Noctuidae (*Nycteola*).

libatrix: Arctiidae (*Euchaetias*); Bombycidae (*Bombyx*); Lymantriidae (*Euproctis*); Notodontidae (*Ichthyura*).

spp.: Diprionidae (*Neodiprion*); Arctiidae (*Halisidota*, *Haploa*); Megalopygidae (*Megalopyge*); Noctuidae (*Acronicta*, *Psychomorpha*); Pyralidae (*Acrobasis*, *Ostrinia*); Sphingidae (Unidentified Sphingidae).

Gen. near Zenillia

spp.: Noctuidae (Unidentified Noctuidae).

Unplaced as to Subfamily

Unplaced as to Tribe

"Tachina"

"*desmiae*": Pyralidae (*Desmia*).

spp.: Chrysomelidae (*Coptocycla*); Cicadidae (*Magiccicada*); Apidae (*Bombus*); Unidentified Hymenoptera (Bee(-s)); Aegeriidae (*Vespamima*); Arctiidae (*Hyphantria*); Geometridae (Cutworm(-s) (including *Alsophila* and/or *Paleacrita*)); Lasiocampidae (*Malacosoma*); Noctuidae (*Alabama*, *Papaipema*, *Pseudaletia*, *Trichoplusia*, Cutworm(-s)); Psychidae (*Thyridopteryx*); Pyralidae (*Acrobasis*, *Crambus*); Saturniidae (*Antheraea*, *Callosamia*, *Platysamia*); Sphingidae (*Hyles*); Unidentified Lepidoptera (Miscellaneous, Moth(-s)); Phasmatidae (*Bacillus*, *Diapheromera*).

Tachinidae

COLEOPTERA: Buprestidae (*Buprestis*); Carabidae (*Carabus*, *Pterostichus*); Cerambycidae (*Enaphalodes*, *Monochamus*,

Saperda); Chrysomelidae (*Acalymma*, *Altica*, *Chrysomela*, *Diabrotica*, *Leptinotarsa*, *Physonota*); Cleridae (*Thanasimus*); Coccinellidae (*Epilachna*); Curculionidae (*Conotrachelus*, *Rhodobaenus*, *Sphenophorus*); Scarabaeidae (*Phyllophaga*, May beetle(-s)); Tenebrionidae (*Eleodes*).

DERMAPTERA: Carcinophoridae (*Anisolabis*).

DIPTERA: Cecidomyiidae (*Rhabdophaga*); Tabanidae (*Hybomitra*, Unidentified Tabanidae); Tipulidae (*Tipula*).

HEMIPTERA (HETEROPTERA): Coreida (*Anasa*); Pentatomidae (*Nezara*, Plant bug(-s)); Rhopalidae (*Liorhyssus*).

HEMIPTERA (HOMOPTERA): Cicadidae (*Magiccada*).

HYMENOPTERA: Argidae (*Sphacophilus*); Cimbicidae (*Cimbex*); Diprionidae (*Diprion*); Tenthredinidae (*Nematus*, *Tethida*).

LEPIDOPTERA: Arctiidae (*Cycnia*, *Diacrisia*, *Estigmene*, *Euchaetias*, *Halisidota*, *Hyphantria*, *Isia*, *Phragmatobia*, *Utetheisa*); Brassolidae (*Brassolis*); Citheroniidae (*Anisota*, *Eacles*); Ctenuchidae (*Ctenucha*); Danaidae (*Danaus*); Diop-tidae (*Phryganidia*); Drepanidae (*Drepana*); Geometridae (*Alsophila*, *Cingilia*, *Coniodes*, *Deilinia*, *Ennomos*, *Erannis*, *Eucaterva*, *Eulype*, *Itame*, *Lambdina*, *Nematocampa*, *Nepytia*, *Paleacrita*, *Phaeoura*, *Phigalia*, *Sabulodes*); Hepialidae (*Hepialus*); Hesperidae (*Cymaenes*, *Epargyreus*, *Erynnis*, *Thymelicus*, Hesperiid (including *Cymaenes*, *Nyctelius* and/or *Panoquina*)); Lasiocampidae (*Epicnaptera*, *Malacosoma*, American tent caterpillar(-s)); Limacodidae (*Euclea*, *Lima-codes* probably, *Phobetron*, *Prolimacodes*, *Sibine*); Lycaenidae (*Brephidium*, *Plebejus*); Lymantriidae (*Hemerocampa*, *Orgyia*, *Porthetria*, *Stilpnotia*, Tussock moth(-s)); Megalop-ygidae (*Megalopyge*); Noctuidae (*Acronicta*, *Actebia*, *Agrotis*, *Alabama*, *Aletia*, *Alypia*, *Amphipyra*, *Callopietria*, *Catocala*, *Ceramica*, *Chrysodeixis*, *Cirphis*, *Cosmia*, *Crymodes*, *Cucullia*, *Epiglaea*, *Euparthenos*, *Eupsilia*, *Euthisanotia*, *Euxoa*, *Faronta*, *Heliothis*, *Lithophane*, *Mamestra*, *Nephelodes*, *Orthodes*, *Papaipema*, *Parallelia*, *Peridroma*, *Pseudaletia*, *Pyreferra*, *Spodoptera*, *Trichoplusia*, Armyworm(-s), Cut-worm(-s), Unidentified Noctuidae); Notodontidae (*Cerura*, *Dasylophia*, *Datana*, *Heterocampa*, *Hyperaeschra*, *Ichthyura*, *Nadata*, *Schizura*, *Symmerista*); Nymphalidae (*Chlosyne*, *Limenitis*, *Nymphalis*, *Polygonia*); Oecophoridae (*Depres-saria*, *Psilocorsis*); Olethreutidae (*Grapholitha*, *Rhyacionia*); Papilionidae (*Papilio*); Pieridae (*Pieris*, *Zerene*); Plutellidae (*Harpigteryx*); Psychidae (*Thyridopteryx*); Pterophoridae (*Oidaematophorus*, *Trichoptilus*); Pyralidae (*Acrobasis*,

Crambus, *Diaphania*, *Diatraea*, *Dioryctria*, *Hedylepta*, *Loxostege*, *Macrobotys*, *Nephopteryx*, *Phlyctaenia*, *Pyrausta*, *Tetralopha*); Saturniidae (*Actias*, *Antheraea*, *Automeris*, *Callosamia*, *Hemileuca*, *Platysamia*); Sphingidae (*Agrius*, *Ceratomia*, *Cressonia*, *Hemaris*, *Hyles*, *Pachysphinx*, *Paonias*, *Pholus*, *Smerinthus*, *Sphinx*); Stenomidae (*Antaeotricha*); Thyatiridae (*Pseudothyatira*); Tortricidae (*Archips*, *Choristoneura*, *Sparganothis*); Yponomeutidae (*Urodus*); Unidentified Lepidoptera (Miscellaneous).

ORTHOPTERA: Acrididae (*Ageneotettix*, *Camnula*, *Chimarocephala*, *Dissosteira*, *Melanoplus*, *Orphulella*, *Spharagemon*, Grasshopper(-s), Locust(-s), Unidentified Acrididae); Mantidae (*Stagmomantis*); Phasmatidae (*Bacillus*, *Diapheromera*).

PARASITES

This is the only section containing bibliographic information. The others must be used in conjunction with it in order to locate published records. Both the tachinid genera and species within each genus are arranged alphabetically. The subfamily and tribal assignment is given for each genus. The specific names are followed by broader categories, such as "spp." Under each tachinid species the host families are arranged alphabetically.

The Diptera Catalog (see Sabrosky and Arnaud, 1965) is the source of the tachinid names used in this section. Names not included in that publication were reviewed by Curtis W. Sabrosky for their current assignments. Quotation marks used with a parasite heading name indicate a questioned or unknown status. For example, "*Anisia nigrocincta* Wulp" is unrecognized both as to genus and species, whereas "*Phorocera*" *texana* Aldrich and Webber is a recognized species, but the present generic assignment is unknown.

Synonyms, obsolete names, and incorrect spellings of parasite names are cross indexed to currently accepted names, with misspellings enclosed by quotation marks. Such general references as tachina fly, Tachinidae, and Larvaevoridae are placed together at the end of this section under the heading Tachinidae.

Following the parasite name the statements "Most records as . . ." or "All records as . . ." are used if most or all the references are of a different combination from the accepted parasite name.

Under the heading "HOST," the orders (and within each order, the families, genera, and species) are arranged alphabetically. Nonscientific names assignable to a family follow the scientific names. The bibliographic citations are listed under the host species names.

Following the host name the statements "Most records ex . . ." or "All records ex . . ." are used if most or all the references are of a different combination from the accepted host name.

Each bibliographic citation lists the author(s), year, and page(s). Illustration(s), locality(ies), and comments follow if pertinent.

The most recent reference is listed first. If two or more references occur in one year, the authors' names are alphabetized.

Vide preceding an author's name means that he refers an earlier rearing to a different parasite species, as well as reporting a new rearing. If an asterisk precedes the vide, he refers an earlier rearing to a different parasite species, but he does not report a new rearing.

Abbreviations for the States of the United States and the Provinces of Canada are used without the country name and are alphabetized without distinction to country. The States of Mexico are also abbreviated, enclosed by parentheses, and listed after the United States-Canadian distribution. With the exception of Puerto Rico, the names of other countries are not abbreviated. The locality abbreviations are as follows:

Ala.—Alabama	Nay.—Nayarit
Alta.—Alberta	N.B.—New Brunswick
Amer.—America	N.C.—North Carolina
Ariz.—Arizona	N. Dak.—North Dakota
Ark.—Arkansas	Nebr.—Nebraska
B.C.—British Columbia	Nev.—Nevada
Calif.—California	Nfld.—Newfoundland
Camp.—Campeche	N.H.—New Hampshire
Cent.—central	N.J.—New Jersey
Chih.—Chihuahua	N. Mex.—New Mexico
Colo.—Colorado	N.S.—Nova Scotia
Conn.—Connecticut	N.Y.—New York
D.C.—District of Columbia	Okla.—Oklahoma
Del.—Delaware	Ont.—Ontario
D.F.—Distrito Federal	Oreg.—Oregon
Dgo.—Durango	Pa.—Pennsylvania
E.—east; eastern	P.E.I.—Prince Edward Island
Fla.—Florida	P.R.—Puerto Rico
Ga.—Georgia	prov.—province(-s)
Ill.—Illinois	Pue.—Puebla
Ind.—Indiana	Que.—Quebec
Kans.—Kansas	R.I.—Rhode Island
Ky.—Kentucky	S.—south; southern
La.—Louisiana	Sask.—Saskatchewan
Man.—Manitoba	S.C.—South Carolina
Mass.—Massachusetts	S. Dak.—South Dakota
Md.—Maryland	Sin.—Sinaloa
Mex.—Mexico	S.L.P.—San Luis Potosi
Mich.—Michigan	Son.—Sonora
Micho.—Michoacan	Tenn.—Tennessee
Minn.—Minnesota	Tex.—Texas
Miss.—Mississippi	U.S.—United States
Mo.—Missouri	Va.—Virginia
Mont.—Montana	V.C.—Vera Cruz
Mor.—Morelos	Vt.—Vermont
N.—north; northern	W.—west; western

Wash.—Washington
Wis.—Wisconsin

W. Va.—West Virginia
Wyo.—Wyoming

The following special terms are used:

“as” = parasite name as published. Only that part that differs from the heading is cited.

“ex” = host name as published. Only that part that differs from the heading is cited.

“incomplete rearing” = host parasitized without emergence of adult parasites.

“lab.” = laboratory rearing of specimens usually for release in the field.

“probable host” = rearing not fully documented.

“probable parasite” = rearing not fully documented.

References containing information on the “STAGE PARASITIZED,” “IMMATURES,” or “BIOLOGY” are listed under those headings at the end of each tachinid species section. Headings are omitted if no relevant data are found in the literature that was reviewed.

The section “STAGE PARASITIZED” reports only published data. No interpolation is made. For example, under Lepidoptera if the pupa is mentioned as being parasitized, only the pupal stage is cited, even though the larval stage would have been parasitized also.

The section “IMMATURES” cites descriptions and illustrations of the parasite immature stages in the following sequence: Egg, larva, first instar larva, second instar larva, third instar larva, and pupa.

A description is cited by “descr.” and an illustration by plate, figure numbers, or both.

Under “BIOLOGY,” biological information not included in the previous sections is cited. The pages in parentheses refer to the rearing.

Acaulona Wulp (Phasiinae: Trichopodini)

Acaulona erythropyga Sabrosky

HOST: HEMIPTERA (HETEROPTERA)

Pyrrhocoridae

Dysdercus andreae (Linnaeus)

Plank, 1951: 19, P.R.; Sabrosky, 1950: 371, P.R.

Dysdercus sanguinarius Stål

Sabrosky, 1950: 371, P.R.

Dysdercus spp.

*Vide Plank, 1951: 19 P.R. (Plank, 1950); Plank, 1950: 15, P.R. (as *Acaulona* n. sp.).

Acaulona peruviana Townsend

HOST: HEMIPTERA (HETEROPTERA)

Pyrrhocoridae

Dysdercus andreae (Linnaeus)

Bartlett, 1943: 15-16, P.R. (lab., preferred host).

Dysdercus sanguinarius Stål

Bartlett, 1943: 15-16, P.R. (lab., not preferred host).

Acaulona n. sp., see *Acaulona erythropyga**Acemya* Robineau-Desvoidy (Goniinae: Acemyini)*Acemya dentata*, see *Ceracia dentata**Acemya tibialis* Coquillett

HOST: ORTHOPTERA

Acrididae

Melanoplus bivittatus (Say)

Smith, R. W., 1944: 29, Canada.

Melanoplus bruneri Scudder

Newton, 1954: 936, Mont. (as *Acemyia*).

Melanoplus femurrubrum (De Geer)

Smith, R.W., 1944: 29, Canada (ex *M. "f. rubrum"*).

Melanoplus sanguinipes (Fabricius)

Smith, R.W., 1965: 187, 189, Ont. (as *Euacemyia*); Smith, R. W., 1944: 29, Canada (ex *M. mexicanus* Saussure).

Grasshopper(-s)

Anon., 1956: 196, W. Canada (as *Euacemyia*); Smith, R. W., and Finlayson, 1950: 98-100, figs. D, J, 25, 49, Canada (as *Euacemyia*); Smith, R. W., 1939: 60-61, Ont., Sask.

STAGE PARASITIZED: Nymph, adult.

IMMATURES: Second-instar larva — Smith, R. W., and Finlayson, 1950: (descr., figs. D, J, 25, 49).

BIOLOGY: Smith, R. W., and Finlayson, 1950: (98-100).

Acemya spp.

HOST: ORTHOPTERA

Acrididae

Grasshopper(-s)

Anon., 1953a: 128, Man. (as *Euacemyia*).

- Acemyia dentata*, see *Ceracia dentata*
Acemyia tibialis, see *Acemya tibialis*
 "Achaetoneura" *archippivora*, see *Lespesia archippivora*
Achaetoneura, see *Lespesia* species of same name except as noted
Achaetoneura "achippivora", see *Lespesia archippivora*
Achaetoneura "aletia", see *Lespesia aletiae*
Achaetoneura anisotae, see *Lespesia datanarum*
Achaetoneura piperi, see *Lespesia schizurae*
Achaetoneura promiscua, see *Lespesia archippivora*
Achaetoneura samiae, see *Lespesia ciliata*
Achaetoneura similis, see *Tachinomyia similis*
Achaetoneura spectabilis, see *Eufrontina spectabilis*
Achaetoneura tenthredinidarum, see *Bessa harveyi*
Achaetoneura websteri, see *Lespesia archippivora*
 near *Achaetoneura* (n. sp.) (1) or (2), see *Lespesia* spp.
 "Achaetonura" *archippivora*, see *Lespesia archippivora*
 "Achaetopsis" *tortricis*, see *Erynnia tortricis*
Acroglossa Williston (Goniinae: Goniini)
Acroglossa hesperidarum Williston
 Most records as *Spallanzania hesperidarum*.
 HOST: LEPIDOPTERA

Hesperiidae

Epargyreus clarus (Cramer)

- Johnson, 1925a: 88, N.H. (ex *Hesperia tityrus* (Fabricius));
 Johnson, 1910: 783, N.J. (ex *Eudamus tityrus*); *Brauer
 and Bergenstamm, 1895: 542, 591 (as *Acroglossa* ex
Epargyreus tityrus, Williston, 1889); Williston, 1889:
 1914, 1917, N.H. (as *Acroglossa* ex *Epargyreus tityrus*).

Unidentified Lepidoptera

Butterfly(-flies)

Aldrich, 1915: 83.

STAGE PARASITIZED: Pupa.

Actia Robineau-Desvoidy (Goniinae: Siphonini)

Actia americana (Townsend)

HOST: LEPIDOPTERA

Notodontidae

Schizura concinna (J. E. Smith)

- Schaffner and Griswold, 1934: 81, 107, Conn., Maine, Mass.,
 N.H., N.Y., Pa., R.I., Vt. (as *Gymnophthalma*); Webber

and Schaffner, 1926: 19, New England (as *Gymnophthalma*); Johnson, 1925: 186, Conn., Maine, R.I. (as *Thryptocera* ex *S. "concina"*); Walton, 1914a: 91, Conn. (as *Polychaetoneura elyii* Walton).

BIOLOGY: Schaffner and Griswold, 1934: (81, 107).

Actia diffidens Curran

HOST: LEPIDOPTERA

Olethreutidae

Spilonota ocellana (Denis and Schiffermüller)
Stultz, 1955: 80, N.S.

Tortricidae

Acleris variana (Fernald)

Miller, 1966: 603, N.B.; Prebble, 1935: 216-227, figs. 4-19, 24-27, 30-31, N.S. (ex *Peronea*).

Choristoneura conflictana (Walker)

Prentice, 1955: 471, Man., Sask.

STAGE PARASITIZED: Larva.

IMMATURES: First-instar larva — Prebble, 1935: (descr., figs. 4-5, 30).

Second-instar larva — Prebble, 1935: (descr., figs. 6-7, 19, 31).

Third-instar larva — Prebble, 1935: (descr., figs. 8-18).

Pupa — Prebble, 1935: (descr., figs. 24-27).

BIOLOGY: Miller, 1966: (603); Prebble, 1935: (216-227).

Actia flavipes (Coquillett)

All records as *Thryptocera flavipes*.

HOST: LEPIDOPTERA

Dioptidae

Phryganidia californica Packard

Burke and Herbert, 1920: 9-10, Calif.; Burke, 1919: 125, Calif.

Geometridae

Brepheus infans Möschler

Schaffner and Griswold, 1934: 90, 107.

Cosymbia pendulinaria (Guenée)

Schaffner and Griswold, 1934: 91, 107 (ex *C. lumenaria* Hübner).

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner and Griswold, 1934: (107).

Actia interrupta Curran

HOST: LEPIDOPTERA

Geometridae

Melanolophia imitata (Walker)

Evans, 1962: 597, B.C.

Notodontidae

Schizura concinna (J. E. Smith)

Felt, 1912: 100-101, N.Y. (as *A. pilipennis* (Fallén));

Johnson, 1907: 10, R.I. (as *A. pilipennis*).

Olethreutidae

Epinotia crenana (Hübner) probably

Powell, 1962: 134, Calif.

Epinotia emarginana (Walsingham)

Powell, 1962: 134, Calif. (as *A. "interruta"*).

Grapholitha molesta (Busck)

All records ex *Laspeyresia molesta*.

Steenburgh and Boyce, 1938: 73, Ont.; Steenburgh, 1935:

71, Ont.; Haeussler, 1930: 366, N.J. (as *A. pilipennis*).

Tortricidae

Acleris variana (Fernald)

Miller, 1966: 603, N.B.; Miller, 1963: 239, N.B.; Reeks,

Forbes and Cuming, 1948: 12, [maritime prov., Nfld.];

Reeks, Forbes and Cuming, 1947: 12, [maritime prov.]

(as *Gymnophthalma*).

Acleris variegana (Denis and Schiffermüller)

Powell, 1962: 134-135, Calif.

Amorbia cuneana (Walsingham)

Powell, 1962: 134, Calif. (as *A. "interruta"*).

Archippus packardianus (Fernald)

Davault, 1950a: 150, Que. (ex *Tortrix*); Davault, 1946:

117, Que. (ex *Tortrix "parckardiana"*).

Archips argyrospilus (Walker)

Prokopy, 1968: 350, Conn.; Powell, 1962: 134, 137, Calif.

Archips rosanus (Linnaeus)

Schaffner, 1959: 31, 48, Mass.

Archips spp. (including *A. argyrospilus* (Walker) and/or *A. griseus* (Robinson))

Prokopy, 1968: 350, Conn.

Choristoneura conflictana (Walker)

Prentice, 1955: 471, Man., Sask.

Choristoneura fumiferana (Clemens)

Blais, 1965: 131-134, Que.; MacDonald and Webb, 1963: 299, N.B.; Miller, 1963: 229, 237, 239, N.B.; Blais, 1960: 388, 390-392, Que. (ex spruce budworm); Coppel, 1960: 94, 97, B.C. (as *Gymnophthalma*); Carolin and Coulter, 1959: 553, Oreg.; McGugan and Blais, 1959: 765, Ont.; Anon., 1953c: 137, B.C.; Ross, 1952: 108, fig. 7, Canada; Daviault, 1950: 43-45, Que.; Dowden and Carolin, 1950: 778-779, N.Y. (as *A. "interruptor"* ex *Archips*); Wilkes, Coppel and Mathers, 1949: 140, 146, 149, 151, B.C. (as *Gymnophthalma*); Dowden, Buchanan and Carolin, 1948: 458, 461 (ex *Archips*); Reeks, Forbes and Cuming, 1948: 16, [maritime prov., Nfld.]; Daviault, 1946: 117, Que. (ex *Archips*); Bedard, 1938: 191 (as *A. pilipennis* ex *Cacoecia*).

Choristoneura pinus Freeman

Allen, D. C., Knight, Foltz and Mattson, 1969: 1471, 1475, Mich.; Dixon and Benjamin, 1963: 267, Wis.; Benjamin and Drooz, 1954: 589-590, Mich.

Choristoneura rosaceana (Harris)

All records ex *Archips rosaceana*.

Neunzig and Gyrisco, 1955: 450, N.Y.; Schuh and Mote, 1948: 26, 28, Oreg.

Croesia albicomana (Clemens)

Powell, 1962: 134, 136, Calif.

Phalonia oenotherana Riley

Dickerson and Weiss, 1920: 44, N.J. (as *A. pilipennis*).

Xenotemna pallorana (Robinson)

All records ex *Tortrix pallorana*.

Putman, 1935: 48, Ont.; Putman, 1935a: 108, Ont.

Unidentified Tortricidae

Aldrich, 1932: 2, Mass. (as *A. pilipennis* ex larva on *Baptisia tinctoria* (Linnaeus) Ventenat).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Ross, 1952: (fig. 7); Greene, 1922: (descr., fig. 38 on pl. 8).

BIOLOGY: Miller, 1963: (229, 237, 239); Evans, 1962: (597);
Schaffner, 1959: (31, 48); Daviault, 1950a: (150).

Actia sp. near *interrupta* Curran

All records as *Actia* sp. near *pilipennis* (Fallén).

HOST: LEPIDOPTERA

Tortricidae

Archips cerasivoranus (Fitch)

Schaffner, 1959: 30, 48, [N.E. U.S.].

Archips fervidanus (Clemens)

Schaffner, 1959: 29, 48, [N.E. U.S.].

BIOLOGY: Schaffner, 1959: (29-30, 48).

Actia ontario Curran

HOST: LEPIDOPTERA

Geometridae

Ennomos subsignarius (Hübner)

Raizenne, 1952: 151, Ont.

Actia palloris (Coquillett)

All records as *Xanthoactia palloris*.

HOST: LEPIDOPTERA

Drepanidae

Drepana arcuata Walker

Raizenne, 1952: 105, Ont.

Drepana bilineata (Packard)

Raizenne, 1952: 106, Que.; Raizenne, 1952: 107, Que. (ex

D. bilineata form *levis* Hudson).

Actia sp. near *palloris* (Coquillett)

HOST: LEPIDOPTERA

Geometridae

Ennomos subsignarius (Hübner)

Schaffner and Griswold, 1934: 99-100, 107, Mass.

Eugonobapta nivosaria (Guenée)

Schaffner and Griswold, 1934: 99, 107, Mass.

BIOLOGY: Schaffner and Griswold, 1934: (107).

Actia pilipennis, see *Actia interrupta*

Actia sp. near *pilipennis*, see *Actia* sp. near *interrupta*

Actia tibialis, see *Strobliomyia tibialis*

Actia spp.

HOST: LEPIDOPTERA

Dioptidae

Phryganidia californica Packard

Harville, 1955: 115-116, 129, 132-133, 143, 146, Calif.

Gelechiidae

Gnorimoschema spp.

Schaffner, 1959: 37, 49, Mass.

Noctuidae

*Catocala relict*a Walker

Schaffner and Griswold, 1934: 65, 107, Mass.

Unidentified *Catocalinae*

Schaffner and Griswold, 1934: 67, 107.

Notodontidae

Heterocampa guttivitta (Walker)

Collins, 1926: 693, 695, N.H.

Olethreutidae

Epinotia similana (Hübner)

Schaffner, 1959: 25, 48, Mass.

*Episimus argut*anus (Clemens)

Schaffner, 1959: 20, 48, Mass., N.H.

Tortricidae

Choristoneura pinus Freeman

Dixon and Benjamin, 1963: 267, Wis.

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner, 1959: (20, 25, 37, 48-49); Harville, 1955: (115-116, 129, 132-133, 143, 146); Schaffner and Griswold, 1934: (107).

Admontia Brauer and Bergenstamm (Goniinae: Admontiini)

Admontia "degeerioides," see *Admontia degeerioides*

Admontia degeerioides (Coquillett)

HOST: DIPTERA

Tipulidae

Tipula abdominalis (Say)

Fattig, 1949: 5-6, Ga.

HOST: LEPIDOPTERA

Noctuidae

Spodoptera frugiperda (J. E. Smith)

Luginbill, 1928: 82, Tex. (ex *Laphygma*).

Olethreutidae

Grapholitha molesta (Busck)

Muesebeck, 1936: 536, Ohio (as *A. "degeeriodes"*).

STAGE PARASITIZED: Larva (Diptera, Lepidoptera).

Admontia demylus, see *Spathimeigenia spinigera*

Admontia hylotomae, see *Spathimeigenia hylotomae*

Admontia pergandei Coquillett

HOST: DIPTERA

Tipulidae

Tipula abdominalis (Say)

Boardman, 1939: 160 (as *Euadmontia*); Johannsen, 1935: 37, N.Y. (as *Euadmontia*).

Tipula cunctans (Say)

Most records ex *Tipula infuscata* Loew.

Alexander, 1920: 731, Ill. (ex *T. cunctans*); Townsend, 1912b: 165, Tenn.; Hyslop, 1910: 128.

STAGE PARASITIZED: Larva.

IMMATURES: Third instar larva — Johannsen, 1935: (descr.).

BIOLOGY: Boardman, 1939: (160); Johannsen, 1935: (37); Townsend, 1912b: (165).

Admontia retiniae, see *Urophylloopsis retiniae*

Admontia spp.

HOST: DIPTERA

Tipulidae

Ctenophora spp.

Alexander, 1920: 732 (as "*Trichoparia*").

"*Adomonita*" *demylus*, see *Spathimeigenia spinigera*

Adoryphorophaga Townsend (Goniinae: Blondeliini)

Adoryphorophaga aberrans (Townsend)Most records as *Doryphorophaga aberrans*.

HOST: COLEOPTERA

Chrysomelidae

Blepharida rhois (Forster)

Townsend, 1916: 217, Va.

Leptinotarsa decemlineata (Say)

Anon., 1958c: 284, Ont. (as *Adoryphorophaga*); Briand, 1958: 57, Ont. (as *Adoryphorophaga*); Anon., 1957c: 273, Ont. (as *Adoryphorophaga*); Bruneteau, 1937: 131-135, figs. 9-14, N.Y. (ex *Doryphore*); Feytaud, 1937: 64-65; Feytaud, 1936: 26-27 (ex *Doryphore*); Smith, H. E., 1918: 124, Conn., Mass. (ex *Doryphora*); Townsend, 1916: 217, Va.

Chrysomelid spp. (including *Lema trilineata* (Olivier) and/or *Leptinotarsa decemlineata* (Say))

All records ex potato beetles.

*Procter, 1946: 431, Maine (Procter, 1938); Procter, 1938: 373, Maine; Johnson, 1927: 201, Maine; Johnson, 1925: 199, Conn., Maine, Mass., Vt.

STAGE PARASITIZED: Larva, adult.

IMMATURES: Egg — Bruneteau, 1937: (fig. 9).

First instar larva — Bruneteau, 1937: (descr., figs. 10-11).

Third instar larva — Bruneteau, 1937: (descr., figs. 11-13).

Pupa — Bruneteau, 1937: (fig. 14).

BIOLOGY: Anon., 1958c: (284); Briand, 1958: (57); Bruneteau, 1937: (131-135).

Adoryphorophaga spp. and/or **Doryphorophaga** spp.

HOST: COLEOPTERA

Chrysomelidae

Leptinotarsa decemlineata (Say)

Walsh and Riley, 1868: 46, Ill. (as *Tachina* fly [LeBaron places in *Lydella*] ex *Doryphora 10-lineata*).

STAGE PARASITIZED: Larva.

BIOLOGY: Walsh and Riley, 1868: (46).

“*Agrophyla*” sp., see *Argyrophylax* spp.*Alophora opaca*, see *Alophorella opaca**Alophora pulverea*, see *Alophorella pulverea**Alophorella* Townsend (Phasiinae: Phasiini)*Alophorella* “*aeneiventris*,” see *Alophorella aeneoventris*

Alophorella aeneoventris (Williston)

HOST: HEMIPTERA (HETEROPTERA)

Miridae

Lygus hesperus Knight probably

Clancy and Pierce, 1966: 855, Calif.

Lygus lineolaris (Palisot de Beauvois)Clancy and Pierce, 1966: 855, 857, Ark., Mo., N.J.; Medler,
1961: 102, Wis. (as *A. "aeneiventris"*).

Pentatomidae

Cosmopepla bimaculata (Thomas)

Clancy and Pierce, 1966: 857, N.Y.

HOST: HEMIPTERA (HOMOPTERA)

Cercopidae

Philaenus spumarius (Linnaeus)

Clancy and Pierce, 1966: 857, Pa.

STAGE PARASITIZED: Adult.

BIOLOGY: Medler, 1961: (102).

Alophorella fumosa (Coquillett)

HOST: HEMIPTERA (HETEROPTERA)

Miridae

Lygocoris caryae (Knight)Brooks, 1945a: 666, N.Y. (as *Oedematopteryx* ex *Lygus*).*Lygus lineolaris* (Palisot de Beauvois)

Clancy and Pierce, 1966: 855, 857, N.J.

STAGE PARASITIZED: Adult.

Alophorella opaca (Coquillett)

HOST: HEMIPTERA (HETEROPTERA)

Miridae

Lygus pratensis (Linnaeus)Painter, 1929: 105-106, Ont. (as *Alophora*).

STAGE PARASITIZED: Nymph, adult.

BIOLOGY: Painter, 1929: (105-106).

Alophorella pulverea (Coquillett)

HOST: HEMIPTERA (HETEROPTERA)

Miridae

Lygocoris caryae (Knight) probably

Clancy and Pierce, 1966: 855, N.Y. (ex *Lygus*).

Lygus lineolaris (Palisot de Beauvois)

Clancy and Pierce, 1966: 855, Ark.; Medler, 1961: 101-102,
Wis. (as *Oedematopteryx*).

Pentatomidae

Holcostethus limbolarius (Stål)

Clancy and Pierce, 1966: 857.

STAGE PARASITIZED: Adult.

IMMATURES: Pupa — Greene, 1922: (as *Alophora*; descr., fig.
45 on pl. 10).

BIOLOGY: Medler, 1961: (101-102).

Alophorella spp.

HOST: HEMIPTERA (HETEROPTERA)

Miridae

Lygus lineolaris (Palisot de Beauvois)

Clancy and Pierce, 1966: 855, Ont.; Medler, 1961: 102, Wis.;
Medler, 1961: 102, Wis. (as *Oedematopteryx*).

STAGE PARASITIZED: Adult.

Alophorellopsis purpurascens, see *Hyalomya purpurascens*

Amedoria luctuosa, see *Medina barbata*

Amedoria spinosa, see *Medina barbata*

"*Anachaetopsis tortricis*," see *Erynnia tortricis*

Anachaetopsis tortricis, see *Erynnia tortricis*

Anachaetopsis vagans, see *Erynnia tortricis*

Anachaetopsis sp., see *Erynnia* spp.

Anaporia Townsend (Dexiinae: Uramyini)

Anaporia limacodis (Townsend)

HOST: LEPIDOPTERA

Limacodidae

Limacodes spp.

*Brauer and Bergenstamm, 1895: 543, 597, N. Amer. (as
Aporia sp., Townsend, 1892c); Townsend, 1892c: 275,
N.Y. (as *Aporia*).

Lithacodes fasciola (Herrich-Schaeffer)

Schaffner, 1959: 7, 49, Conn.

Sisyrosea textula Herrich-Schaeffer

Schaffner, 1959: 5, 49, Conn.

Tortricidia flexuosa (Grote)

Schaffner, 1959: 7, 49, Conn.; Johnson, 1925: 189, Conn., Mass., N.H. (as *Pseudeuantha coquilletti* Aldrich); Aldrich, 1921: 91, N.Y. (as *Pseudeuantha coquilletti*).

BIOLOGY: Schaffner, 1959: (5, 7, 49).

Anaporia pristis (Walker)

HOST: LEPIDOPTERA

Arctiidae

Halisidota argentata Packard

Coquillett, 1897: 18, 25, Oreg. (as *Macquartia*).

Limacodidae

Euclea cippus Cramer

Johnson, 1925: 189, Conn., Maine, Mass., N.H., Vt. (as *Pseudeuantha* ex *E. "ceppus"*); *vide Aldrich, 1921: 90, Va. (as *Pseudeuantha*, Coquillett, 1897); Coquillett, 1897: 13, 25, Va. (as *Exorista blanda* (Osten Sacken)).

Phobetron pithecius (J. E. Smith)

Schaffner, 1959: 6, 49, [N.E. U.S.].

Sibine stimulea (Clemens)

All records ex *Empretia stimulea*.

Johnson, 1925: 189, Conn., Maine, Mass., N.H., Vt. (as *Pseudeuantha*); Aldrich, 1921: 90, N.Y. (as *Pseudeuantha*).

Sisyrosea textula Herrich-Schaeffer

Coquillett, 1897: 14, 25 (as *Exorista isae* Coquillett ex *Isa inornata* (Grote and Robinson)).

Megalopygidae

Megalopyge crispata (Packard)

Schaffner, 1959: 7, 49, [N.E. U.S.] (ex *Lagoa*).

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner, 1959: (6-7, 49).

Anaporia sp.

HOST: LEPIDOPTERA

Limaecodidae

Sisyrosea textula Herrich-Schaeffer

Schaffner, 1959: 5, 49, Conn.

BIOLOGY: Schaffner, 1959: (5, 49).

Andrina radialis, see *Lydella radialis*

Androeuryops Beneway (Phasiinae: Phasiini)

Androeuryops ecitonis (Townsend)

HOST: HYMENOPTERA

Formicidae

Eciton burchelli foreli Mayr probably

Townsend, 1897: 30, 32, Mexico (V.C.) (as *Hyalomyia* ex *E. foreli*, suggested host).

BIOLOGY: Townsend, 1897: (30, 32).

Anetia armigera, see *Eucelatoria armigera*

Anetia dimmocki, see *Eucelatoriopsis dimmocki*

Anetia eufitchiae, see *Blondelia eufitchiae*

Anetia hyphantriae, see *Blondelia hyphantriae*

Anetia sp. complex, see *Blondelia* spp.

Anisia Wulp (Goniinae: Blondeliini)

"*Anisia nigrocincta* Wulp" probably

HOST: LEPIDOPTERA

Pyralidae

Ostrinia penitalis (Grote)

Brauer and Bergenstamm, 1895: 543, 585, N. Amer. (ex *Botys*).

Anisia sp. near *variabilis*, see *Lixophaga* sp. near *variabilis*

Aphria Robineau-Desvoidy (Tachininae: Aphriini)

Aphria "cypterata," see *Aphria ocypterata*

Aphria ocypterata Townsend

HOST: LEPIDOPTERA

Noctuidae

Euxoa messoria (Harris)

*Crumb, 1929: 40, 94 (Coquillett, 1897); Essig, 1926: 580, Wash.; Johnson, 1925: 194, Maine, Mass., N.H. (ex *Carneades*); Coquillett, 1897: 10, 24, Wash. (ex *Carneades*).

Pyralidae

Nephopteryx subfuscella (Ragonot)

Schaffner, 1959: 17, 49, Maine (ex *Salebria semiobscura* Hulst).

Tlascala reductella (Walker)

Raizenne, 1952: 174, Ont. (as *A. "cypterata"*).

BIOLOGY: Schaffner, 1959: (17, 49).

Aplomya Robineau-Desvoidy (Goniinae: Eryciini)

Aplomya caesar (Aldrich)

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Fattig, 1949: 6.

Gracillariidae

Gracillaria negundella Chambers

All records ex boxelder leaf roller.

Knowlton, Janes and Thomas, 1933: 155, Utah (as *Zenillia*); Knowlton and Janes, 1931: 147, Utah (as *Zenillia*).

Lymantriidae

Nygmia phaeorrhoea (Donovan)

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89.

Noctuidae

Papaipema nebris (Guenée)

All records ex *Papaipema nitela* (Guenée).

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89.

Olethreutidae

Laspeyresia nigricana (Stephens)

Anon., 1947: 180, 195, 200, Ont.

Pyralidae

Crambus mutabilis Clemens

Ainslie, G. G., 1927: 14-15, Ind. (as *Exorista nigripalpis* Townsend).

Crambus trisectus Walker

Ainslie, G. G., 1927: 14-15, Ind. (as *Exorista nigripalpis*); Aldrich and Webber, 1924: 28, Ind. (as *Zenillia*); Ainslie, G. G., 1923: 412, Ind. (as *Exorista nigripalpis*).

Crambus spp.

Noble, 1932: 3, U.S. (as *Zenillia*); Johnson, 1925: 196, Maine, Mass., N.H., Vt. (as *Zenillia*).

Dioryctria reniculella (Grote)

McLeod, J.M., and Daviault, 1963: 316, Que. (as *Eumea*).

Loxostege commixtalis (Walker)

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89, Colo.; Hoerner, 1933: 12 (as *Zenillia*).

Loxostege sticticalis (Linnaeus)

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89, Colo.; Essig, 1926: 581, Colo. (as *Zenillia*); Aldrich and Webber, 1924: 28, Colo. (as *Zenillia*).

Ostrinia nubilalis (Hübner)

Most records ex *Pyrausta nubilalis*.

Anon., 1963d: 1029, Wis. (ex *Ostrinia*); Hudon, 1960: 125-126, Que. (as *Eumea* ex *Ostrinia*); Pond, 1955: 106, N.B. (as *Eumea*); Blickenstaff, Arbuthnot and Harris, 1953: 368-370, Iowa; Boyes and Wilkes, 1953: 126, 138, Ont.; Hawkins and Devitt, 1953: 24, Maine (ex European corn borer); Arbuthnot and Wright, 1952: 233, Ill.; Arbuthnot, 1950: 45-46, N. Cent. states (ex European corn borer); Arbuthnot, Jones, Carter and Evans, 1949: 7-8, 12-13, 18-22, 24, Iowa, Maine, Mass., N.H., N.J., N.Y., Wis.; Baker, W. A., Bradley and Clark, 1949: 3, 174-175, fig. 38Db, Mich., Ohio (as *Aplomyia*); Arbuthnot, Jones, Carter and Evans, 1948: 3, 9-10, 13, Minn., Ohio, S. New England; Anon., 1947: 180, 192, 198, Ont.; Arbuthnot, 1947: 30, Ind. (as *Aplomyia* ex European corn borer); Deay, 1947: 68, Ind. (as "*Aplomyea*" ex European corn borer); Drake, 1947: 129, Iowa (ex European corn borer); Drake, 1946: 176, Iowa (ex European corn borer); Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89; Bradley, W.G., and Clark, 1941: 788, 792, Mich., Ohio (ex European corn

borer); Bradley, W.G., and Clark, 1940: 527, 531, Mich., N.Y., Ohio (ex European corn borer); Bradley, W.G., and Clark, 1939: 528, 534, Ind., Mich., Ohio (as *Zenillia* ex European corn borer); Baker, W.A., and Bradley, 1938: 345-346, 348, Mich., Ohio (as *Zenillia*); Bradley, W.G., and Clark, 1938: 650, 654, Mich., Ohio (as *Zenillia* ex European corn borer); Baird, 1937: 66, Canada (as *Zenillia*); Baird, 1929: 38-39, Ont. (as *Zenillia* ex [European] corn borer); Baird, 1926: 78, Ont. (as *Zenillia* ex European corn borer); Huber and Neiswander, 1924: 127, Ohio (as *Exorista nigripalpis*); Spencer, 1923: 19, Ont. (as *Exorista nigripalpis* ex European corn borer); Crawford and Spencer, 1922: 235, Ont. (as *Exorista nigripalpis* ex European corn borer); Caffrey, 1919: 21, Mass. (as *Exorista nigripalpis*); Vinal and Caffrey, 1919: 57-58, Mass. (as *Exorista nigripalpis*).

Ostrinia obliteralis (Walker)

All records ex *Pyrausta ainsliei* Heinrich.

Blickenstaff, Arbuthnot and Harris, 1953: 368, 370, Iowa; Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89.

Ostrinia penitalis (Grote)

All records ex *Pyrausta penitalis*.

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89.

Phlyctaenia coronata tertialis (Guenée)

All records ex *Phlyctaenia tertialis*.

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Balduf, 1929: 238, 240, Ill., Ohio (as *Zenillia*).

Pyrausta spp.

Johnson, 1925: 196, Maine, Mass., N.H., Vt. (as *Zenillia*).

Tortricidae

Amorbia humerosana Clemens

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7.

Archips argyrospilus (Walker)

Paradis and LeRoux, 1965: 44, 46-47, fig. 14D, Que. (as *Eumea*); Powell, 1962: 137, Calif.; Paradis, 1961: 63, Que. (as *Eumea*); Newcomer, 1958: 88, Wash.; Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89, Colo., Mont., Ont., Wash.; Harman, 1928: 9, N.Y. (as *Zenillia*); Essig, 1926: 581, Colo., N. Mex., Wash. (as

Zenillia); Aldrich and Webber, 1924: 28-29, Colo., Ont., Wash. (as *Zenillia ex Cacoecia*); Gillette, 1922: 15, Colo. (as *Exorista nigripalpis*); Aldrich, 1916: 21, Ont. (as *Exorista*); Gill, 1913: 102, Colo. or N. Mex. (as *Exorista nigripalpis*).

Archips purpuranus (Clemens)

Schaffner, 1959: 31, 49-50, [N.E. U.S.]; Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89.

Archips rosanus (Linnaeus)

Schaffner, 1959: 31, 49-50, [N.E. U.S.]; Putman, 1943: 222, Ont. (as *Zenillia*).

Archips semiferanus (Walker)

Schaffner, 1959: 30, 49-50, [N.E. U.S.]; Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89.

Archips spp.

Johnson, 1925: 196, Maine, Mass., N.H., Vt. (as *Zenillia ex Cacoecia*).

Argyrotaenia citrana (Fernald)

Basinger, 1935: 233, Calif. (as "*Zenilla*").

Argyrotaenia quadrifasciana (Fernald)

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7 (ex. *Eulia*).

Choristoneura conflictana (Walker)

Prentice, 1955: 471, Man., Sask. (as *Eumea*).

Choristoneura fractivittana (Clemens)

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7 (ex *Archips* "*practivittana*").

Choristoneura fumiferana (Clemens)

Blais, 1965: 131-134, Que. (as *Eumea*); MacDonald and Webb, 1963: 299, N.B.; Miller, 1963: 237, 239, N.B. (as *Eumea*); Blais, 1960: 388, 390-391, Que. (as *Eumea ex spruce budworm*); Coppel, 1960: 94, 97, B.C. (as *Eumea*); Carolin and Coulter, 1959: 553-554, Oreg.; McGugan and Blais, 1959: 765, Ont. (as *Eumea*); Boyes and Wilkes, 1953: 126, 140; Coppel, 1953: 191, B.C. (as *Zenillia ex "Chloristoneura"*); Dowden, Jaynes and Carolin, 1953: 309, Maine; Anon., 1952g: 289, 293, 295, B.C. (as *Zenillia*); Jaynes and Drooz, 1952: 1058, 1060, Maine, N.Y.; Raizenne, 1952: 219, Ont. (as *Epimasicera*); Ross, 1952: 112, fig. 11, Canada; Anon., 1950b: 210, maritime prov. (as *Epimasicera ex spruce budworm*); Anon., 1950c: 241, 246, 249, B.C. (as *Zenillia*); Daviault, 1950: 42-45, Que. (as *Aplomyia*); Dowden and Carolin, 1950: 778-781, N.Y. (ex *Archips*); Anon., 1949: 276, 283, 286, B.C. (as *Zenillia*); Wilkes,

Coppel and Mathers, 1949: 140, 146, 149, 151, B.C.; Dowden, Buchanan and Carolin, 1948: 458-461 (as *Aplomyia* ex *Archips*); Wilkes and Anderson, 1947: 41, 43, Ont., Que. (as *Zenillia* ex *Archips*); Reeks, 1946: 25, N.B., Nfld. (as *Epimasicera* ex *Archips*); Reeks, Smith and Forbes, 1946: 12, N.B. (as *Epimasicera* ex *Archips*); Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7 (ex *Archips*); Sellers, 1943: 89 (ex *Archips*); Essig, 1926: 581, B.C. (as *Zenillia* ex *Harmologa*); Tothill, 1913: 71, B.C., Que. (as *Exorista nigripalpis* ex *Tortrix*).

Choristoneura parallela (Robinson)

All records ex *Archips parallela*.

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7; Sellers, 1943: 89.

Choristoneura pinus Freeman

Allen, D.C., Knight, Foltz and Mattson, 1969: 1471-1472, 1474-1475, Mich.; Dixon and Benjamin, 1963: 267-270, Wis.; Kulman and Hodson, 1961: 222, Minn.; Drooz and Benjamin, 1956: 412-413, Mich.

Choristoneura rosaceana (Harris)

All records ex *Archips rosaceana*.

Raizenne, 1952: 215, Ont. (as *Epimasicera*); Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7.

Pandemis limitata (Robinson)

Wishart, 1945: 157-167, figs. 2-8, 13 on pl. 7 (ex *P. "limitana"*).

Phaecasiophora niveiguttana Grote

Montgomery, 1933: 188, Ind. (as *Zenillia*).

Tortricid spp. (including *Amorbia humerosana* Clemens, *Archips argyrospilus* (Walker), *A. semiferranus* (Walker), *Argyrotaenia quadrifasciana* (Fernald), *Choristoneura fractivittana* (Clemens), *C. rosaceana* (Harris) and/or *Pandemis limitata* (Robinson))

Hall, 1929: 139, Ont. (as *Zenillia* ex *Amorbia humerosana*, *Archips argyrospila*, *A. fractivittana*, *A. rosaceana*, *A. semiferrana*, *Eulia quadrifasciana* and/or *P. limitata*).

Tortricid spp. (including *Archips* spp. and/or *Choristoneura* spp.)

Caesar, 1916a: 172-173, unnumbered fig. on p. 172, Ont. (as *Exorista* ex *Tortrix* leaf rollers attacking apples).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Wishart, 1945: (descr., fig. 2 on pl. 7).

First instar larva — Wishart, 1945: (descr., figs. 3-4 on pl. 7).

Second instar larva — Wishart, 1945: (descr., fig. 5 on pl. 7).

Third instar larva — Wishart, 1945: (descr., fig. 6 on pl. 7).

Pupa — Paradis and LeRoux, 1965: (fig. 14D); Ross, 1952: (fig. 11); Baker, W. A., Bradley and Clark, 1949: (fig. 38Db); Wishart, 1945: (descr., figs. 7-8, 13 on pl. 7); Greene, 1922: (descr., fig. 83 on pl. 18); Caesar, 1916a: (unnumbered fig. on p. 172).

BIOLOGY: Paradis and LeRoux, 1965: (44, 46-47); Miller, 1963: (237, 239); Hudon, 1960: (125-126); Schaffner, 1959: (30-31, 49-50); Baker, W.A., Bradley and Clark, 1949: (3, 174-175); Wishart, 1945: (157-167); Sellers, 1943: (89); Noble, 1932: (3); Balduf, 1929: (238, 240); Ainslie, G.G., 1927: (14-15).

Aplomya caesar (Aldrich) probably

All records as *Carcelia "nigropalpus"* (Townsend), error for *nigripalpis* (Townsend)

HOST: LEPIDOPTERA

Tortricidae

Archips argyrospilus (Walker)

Herrick and Leiby, 1915: 260, N. Y.; Herrick, 1912: 286, N.Y.

STAGE PARASITIZED: Larva.

Aplomya cerurae Sellers

HOST: LEPIDOPTERA

Notodontidae

Cerura cinerea (Walker)

Vide Sellers, 1943: 95, Mass. (Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 82-83, 113, Mass. (as *Zenillia* n. sp. (3)).

BIOLOGY: Schaffner and Griswold, 1934: (82-83, 113).

Aplomya confusionis Sellers

HOST: LEPIDOPTERA

Pyralidae

Crambus inornatellus Walker

Bohart, 1947: 290, 292, Calif. (as *Aplomyia* ex *C. bonifatellus* Hulst).

Crambus mutabilis Clemens

*Vide Sellers, 1943: 87 (Ainslie, G. G., 1923); Ainslie, G. G., 1923: 411-412, Ind. (as *Exorista nigripalpis* Townsend).

Crambus sperryellus Klots

Bohart, 1947: 290, 292, Calif. (as *Aplomyia*).

Crambus trisectus Walker

Sellers, 1943: 87.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa—Bohart, 1947: (descr.).

Aplomya crassiseta (Aldrich and Webber)

HOST: LEPIDOPTERA

Tortricidae

Choristoneura conflictana (Walker)

Prentice, 1955: 472, Alta.

Aplomya epicydes (Walker)

HOST: HYMENOPTERA

Cimbicidae

Cimbex americana Leach

Raizenne, 1957: 10, Ont.; Sellers, 1943: 93; Johnson, 1925: 196, Mass. (as *Zenillia coerulea* Aldrich and Webber); Aldrich and Webber, 1924: 23, Mass. (as *Zenillia coerulea*).

BIOLOGY: Sellers, 1943: (93).

Aplomya estigmenensis, see *Hubneria estigmenensis*

Aplomya fronto (Coquillett)

HOST: HYMENOPTERA

Pamphiliidae

Acantholyda spp.

Eidt, 1969: 54, Canada.

Neurotoma spp.

Eidt, 1969: 54, Canada.

STAGE PARASITIZED: Larva.

Aplomya helvina (Coquillett)

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria deflorata (Fabricius)

Fattig, 1949: 6, Ga.

Geometridae

Biston cognataria (Guenée)

Sellers, 1943: 92 (ex *Lycia*); Schaffner and Griswold, 1934: 96, 112 (as *Zenillia* ex *Amphidasis*); Johnson, 1925: 196, Maine, Mass., N.H. (as *Zenillia* ex "*Amphidosia*"); Tothill, 1913: 71, B. C. (as *Exorista* ex *Lycia*).

Phaeoura quernaria (J. E. Smith)

All records ex *Nacophora quernaria*.

Sellers, 1943: 92; Schaffner and Griswold, 1934: 96, 112 (as *Zenillia*).

Unidentified Geometridae

Sellers, 1943: 92; Schaffner and Griswold, 1934: 102, 112 (as *Zenillia*).

STAGE PARASITIZED: Larva.

BIOLOGY: Sellers, 1943: (92); Schaffner and Griswold, 1934: (112).

Aplomya mitis (Meigen)

HOST: LEPIDOPTERA

Pyralidae

Ostrinia nubilalis (Hübner)

Baker, W. A., Bradley and Clark, 1949: 3, 7, 37, 53, 149-153, fig. 38Da (as *Aplomyia* ex *Pyrausta*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Baker, W. A., Bradley and Clark, 1949: (fig. 38Da).

BIOLOGY: Baker, W. A., Bradley and Clark, 1949: (3, 7, 37, 53, 149-153).

Aplomya neurotomae Sellers

HOST: HYMENOPTERA

Pamphiliidae

Neurotoma fasciata (Norton)

Sellers, 1943: 86, Mass., N.H., N.J., Pa.

BIOLOGY: Sellers, 1943: (86).

Aplomya pheosiae Sellers

HOST: LEPIDOPTERA

Noctuidae

Alypia octomaculata (Fabricius)

Sellers, 1943: 96.

Notodontidae

Pheosia rimosa Packard

Vide Sellers, 1943: 95-96, Maine (ex *P. dimidiata* (Herrich-Schaeffer), Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 77, 114, Maine (as *Zenillia* n. sp. (5)).

BIOLOGY: Sellers, 1943: (95-96); Schaffner and Griswold, 1934: (77, 114).

Aplomya theclarum (Scudder)

HOST: LEPIDOPTERA

Lasiocampidae

Gloveria howardi Dyar

*Sellers, 1943: 78 (Coquillett, 1897; *Aldrich and Webber, 1924: 36 (as *Zenillia confinis* (Fallén), Coquillett, 1897); Coquillett, 1897: 13, 25, Ariz. (as *Exorista confinis* ex *Dendrobinus*).

Lycaenidae

Brephidium exilis (Boisduval)

Sellers, 1943: 78; Essig, 1926: 581, N. Mex. (as *Zenillia confinis*); *Aldrich and Webber, 1924: 36, N. Mex. (as *Zenillia confinis* ex "*Bryshidium exile*," Coquillett, 1897); Coquillett, 1897: 13, 26, N. Mex. (as *Exorista confinis* ex *Lycaena*).

Celastrina argiolus pseudargiolus (Boisduval and LeConte)

*Sellers, 1943: 78 (ex *Lycaenopsis pseudargiolus*, Williston, 1889); Clark, 1936a: 689 (as *Zenillia confinis* ex *Lycaenopsis*); Johnson, 1910: 780, N.J. (as *Exorista confinis* ex *Lycaena pseudargiolus*); *Brauer and Bergenstamm, 1895: 554, 590, N. Amer. (as *Exorista* ex *Cyaniris pseudargiolus*, Williston, 1889); Williston, 1889: 1914, 1920 (as *Exorista* ex *Cyaniris pseudargiolus*).

Lycaeides melissa (Edwards)

Most records ex *Plebeius melissa*.

Sellers, 1943: 78; Essig, 1926: 581, Colo. (as *Zenillia confinis*); Aldrich and Webber, 1924: 36, Colo. (as *Zenillia confinis* ex *Lycaena*).

Lycaena thoe Guérin-Ménéville

Sellers, 1943: 78; Aldrich and Webber, 1924: 36, Ont. (as *Zenillia confinis* ex *Heodes*).

Lycaena xanthoides (Boisduval)

Sellers, 1943: 78.

Lycaena xanthoides dione Scudder

Sellers, 1943: 78 (ex *L. dione*); Brauer and Bergenstamm, 1895: 574, 587, Iowa (as *Sisyropa "chrysophanae"* (Townsend) ex *Chrysophanus dione*); Townsend, 1891e: 197-198, Iowa (as *Exorista chrysophani* ex *Chrysophanus dione*).

Lycaena spp.

Sellers, 1943: 78; Coquillett, 1897: 13, 26, D.C. (as *Exorista confinis*).

Strymon calanus Hübner

Most records ex *Thecla calanus*.

Sellers, 1943: 78 (ex *Strymon*); Aldrich and Webber, 1924: 36 (as *Zenillia confinis*); Johnson, 1910: 780, N.J. (as *Exorista confinis*); *Brauer and Bergenstamm, 1895: 554, 608, N. Amer. (as *Exorista*, Williston, 1889); Williston, 1889: 1914, 1920 (as *Exorista*).

Strymon falacer (Godart)

Raizenne, 1952: 6, Ont., Que.; Sellers, 1943: 78; *Brauer and Bergenstamm, 1895: 577, 608 (as *Tachina* ex *Thecla "inornata"* (Grote and Robinson), Scudder in Osten Sacken, 1887); Scudder in Osten Sacken, 1887: 166 (as *Tachina* ex *Thecla inornata*).

Strymon melinus (Hübner)

Fattig, 1949: 7; Sellers, 1943: 78; Little and Martin, 1941: 74, Tex. (as "*Zanillia*" *confinis*); Allen, 1929: 686, Miss. (as *Zenillia confinis* ex *Uranotes*); Reinhard, 1929: 33-34, Tex. (as *Zenillia confinis*); Aldrich and Webber, 1924: 36, Tex. (as *Zenillia confinis*); Reinhard, 1922: 72, Tex. (as *Exorista confinis* ex *Uranotes*).

Unidentified Lycaenidae

Sellers, 1943: 78, Colo. (ex larva on *Sedum stenopetalum* Pursh); Essig, 1926: 581, U.S. (as *Zenillia confinis*).

Unidentified Lepidoptera

Miscellaneous

Sellers, 1943: 78, Mass. (ex larva on apple); Aldrich, 1932: 2, Mass. (as *Zenillia confinis* ex larva on apple).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 21 on pl. 5).

BIOLOGY: Reinhard, 1929: (33-34).

Aplomya trichiosomae Sellers

HOST: HYMENOPTERA

Cimbicidae

Trichiosoma sp.

Sellers, 1943: 94, Maine.

STAGE PARASITIZED: Larva.

Aplomya trisetosa (Coquillett)

HOST: LEPIDOPTERA

Noctuidae

Autographa californica (Speyer)

Sellers, 1943: 79, Mont.

Nephelodes emmedonia (Cramer)

Sellers, 1943: 79; Aldrich and Webber, 1924: 30, Ill. (as *Zenillia*).

Pyralidae

Loxostege commixtalis (Walker)

Sellers, 1943: 79, Colo.; Hoerner, 1933: 12 (as *Zenillia*).

STAGE PARASITIZED: Larva.

"*Aplomyea*" *caesar*, see *Aplomya caesar*

Aplomyia caesar, see *Aplomya caesar*

Aplomyia confusionis, see *Aplomya confusionis*

Aplomyia mitis, see *Aplomya mitis*

Aplomyiopsis Villeneuve (Goniinae: Blondeliini)

Aplomyiopsis epilachnae (Aldrich)

All records as *Paradexodes epilachnae*.

HOST: COLEOPTERA

Coccinellidae

Epilachna borealis Fabricius

Landis and Howard, 1940: 2 (lab.).

Epilachna defecta Mulsant

Landis and Howard, 1940: 2, Mexico.

Epilachna mexicana Guérin-Méneville

Landis and Howard, 1940: 2, Mexico.

Epilachna obscurella Mulsant

Landis and Howard, 1940: 2, 5, Mexico.

Epilachna varivestis Mulsant

Jimenez J., 1959: 193-194, 207, Mexico (Mex.); Clausen, 1956: 53-54, Mexico; White, 1941: 351, Mexico; Landis and Howard, 1940: 2, 5-6, 9-27, figs. 10, 14-18, Ala.,

Ky., N.C., Ohio, Tenn., Tex., Mexico; Howard, N.F., and Landis, 1936: 2, 6, Mexico; Anon., 1931b: 1114, Mexico (ex Mexican bean beetle); Howard, N. F., 1930: 8, Mexico (ex *E. corrupta* Mulsant); Howard, N. F., 1924: 7, Mexico (ex *E. corrupta*); Aldrich, 1923a: 95, Mexico (ex *E. corrupta*).

Epilachna virgata Mulsant

Landis and Howard, 1940: 2, Mexico.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Landis and Howard, 1940: (descr., fig. 14).

First instar larva — Landis and Howard, 1940: (descr., fig. 15).

Second instar larva — Landis and Howard, 1940: (descr., fig. 16).

Third instar larva — Landis and Howard, 1940: (descr., fig. 17).

Pupa — Landis and Howard, 1940: (descr., figs. 10, 18).

BIOLOGY: Landis and Howard, 1940: (2, 5-6, 9-27).

Aplomyiopsis epilachnae (Aldrich) probably

HOST: COLEOPTERA

Coccinellidae

Epilachna defecta Mulsant

Landis and Howard, 1940: 2, Guatemala (as apparently *Paradexodes*, incomplete rearing — pupa).

STAGE PARASITIZED: Larva.

Aplomyiopsis galerucellae Villeneuve

HOST: COLEOPTERA

Chrysomelidae

Pyrrhalta luteola (Müller)

Flanders, 1940: 948, Calif. (as *Synaplomyia* ex *Galerucella xanthomelaena* (Schrank)); Villeneuve, 1933: 125-126, Oreg. (ex *Galerucella*).

STAGE PARASITIZED: Larva.

BIOLOGY: Villeneuve, 1933: (125-126).

Aporia limacodis, see *Anaporia limacodis*

Aporia sp., see *Anaporia limacodis*

Aporotachina Meade (Goniinae: Blondeliini)

Aporotachina chaetoneura (Coquillett)

Most records as *Dexodes chaetoneura*.

HOST: HYMENOPTERA

Argidae

Arge clavicornis (Fabricius) complex

Raizenne, 1957: 8, Que. (as *Neothelaira* ex *A. clavicornis* abdomen yellow).

Tenthredinidae

Nematus ventralis Say

All records ex willow sawfly.

*Procter, 1946: 436, Maine (Procter, 1938); Procter, 1938: 377, Maine.

Aporotachina dexina (Townsend)

HOST: HYMENOPTERA

Argidae

Arge pectoralis (Leach)

Raizenne, 1957: 8, Ont. (as *Neothelaira aurifrons* (Coquillett)).

"*Architas*" *piliventris*, see *Archytas marmoratus*

Archytas Jaennicke (Tachininae: Dejeaniini)

Archytas "alterrima," see *Archytas aterrimus*

Archytas analis, see *Archytas* spp. (including *A. apicifer* and/or *A. californiae*)

Archytas "annalis," see *Archytas* spp. (including *A. apicifer* and/or *A. californiae*)

Archytas apicifer (Walker)

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma californicum (Packard)

Townsend, 1895: 70, Colo. (as *Jurinia* ex *Clisiocampa*).

Noctuidae

Peridroma saucia (Hübner)

Anon., 1969: 59, Okla.; Bottrell, 1969: 251, Okla.; Burrell, 1967: 114, La.; Montgomery, 1933: 186, Ind. (ex *Lycophotia*); Curran, 1928: 278, Miss. (as *A. vulgaris* Curran ex *P. margaritosa* (Haworth)).

Pseudaletia unipuncta (Haworth)

Burrell, 1967: 114, La.; Breeland, 1958: 323, 325, 332, fig.

25, Tenn.; Patton, 1958: 33, Fla.; Fattig, 1949: 7 (ex *Cirphis*); Brimley, 1938: 366, N.C. (as *A. vulgaris* ex armyworm); Maxson, 1920: 81, Colo. (as "*Archytus apicifere*" ex *Cirphis*).

Spodoptera frugiperda (J. E. Smith)

Wolcott, 1951a: 482, P.R. (as *A. basifulva* "(Walker)" ex *Laphygma*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Breeland, 1958: (fig. 25).

BIOLOGY: Burrell, 1967: (114); Patton, 1958: (33).

Archytas aterrimus (Robineau-Desvoidy)

HOST: LEPIDOPTERA

Arctiidae

Cycnia tenera Hübner

Schaffner and Griswold, 1934: 32, 125.

Hyphantria cunea (Drury)

Fattig, 1949: 7; Brimley, 1938: 366, N.C.; Brimley, 1922: 21, N.C. (ex fall webworm).

Lasiocampidae

Malacosoma americanum (Fabricius)

Patton, 1958: 33, Fla.

Megalopygidae

Megalopyge crispata (Packard)

All records ex *Lagoa crispata*.

Johnson, 1910: 784, N.J.; Coquillett, 1897: 10, 25, D.C., Iowa.

Noctuidae

Acronicta interrupta Guenée

All records ex *Acronicta occidentalis* Grote and Robinson.

Johnson, 1910: 784, N.J.; Coquillett, 1897: 10, 23, Va.

Acronicta ovata Grote

Coquillett, 1897: 10, 23, Mo.

Baileya dormitans (Guenée)

Raizenne, 1952: 66, Ont. (as *A. "alterrima"*).

Catocala neogama (J. E. Smith)

Schaffner and Griswold, 1934: 65, 125, N.J.

Peridroma saucia (Hübner)

Davis, J. J., 1912: 86, Ill. (as "*Archytes*" ex *P. margaritosa* (Haworth)).

Plathypena scabra (Fabricius)

Schaffner and Griswold, 1934: 71-72, 125, Mass.; Webber and Schaffner, 1926: 22, New England.

Unidentified Noctuidae

Schaffner and Griswold, 1934: 72, 125.

Notodontidae

Cerura sp.

Coquillett, 1897: 10, 24.

Psychidae

Thyridopteryx ephemeraeformis (Haworth)

Balduf, 1937: 173 (questionable host).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Patton, 1958: (33); Schaffner and Griswold, 1934: (125).

Archytas basifulva, see *Archytas apicifer*

Archytas californiae (Walker)

HOST: LEPIDOPTERA

Arctiidae

Euchaetias oregonensis (Stretch)

Arnaud, 1959: 156, Calif.

Noctuidae

Spodoptera praefica (Grote)

All records ex *Prodenia praefica*.

Bosch and Hagen, 1966: 26, Calif.; Blanchard and Conger, 1932: 1065, 1067, Calif.

Trichoplusia ni (Hübner)

Bosch and Hagen, 1966: 25, Calif.

STAGE PARASITIZED: Pupa.

BIOLOGY: Arnaud, 1959: (156).

Archytas cirphis Curran

HOST: LEPIDOPTERA

Noctuidae

Agrotis ipsilon (Hufnagel)

Zimmerman, 1958: 253, Hawaii.

Cirphis spp.

Curran, 1928: 255, Mexico (Sin.).

Leucania cholica (Dyar)

All records ex *Cirphis cholica*.

Van Zwaluwenburg, 1951: 373, W. Mexico; Curran, 1927: 498, Mexico (Sin.).

Leucania latiuscula Herrich-Schaeffer

All records ex *Cirphis latiuscula*.

Van Zwaluwenburg, 1951: 373, Mexico; Curran, 1927: 498, Mexico (Sin.); Swezey, 1927a: 499, Mexico (Sin.); Swezey, 1927b: 214, Hawaii; Swezey, 1926: 226, Hawaii (as *Archytas* sp. (A. "cirphisae" in footnote)).

Peridroma saucia (Hübner)

Swezey, 1935a: 93, Hawaii (ex *Lycophotia margaritosa* (Haworth)).

Pseudaletia unipuncta (Haworth)

Most records ex *Cirphis unipuncta*.

Zimmerman, 1958: 305, Hawaii (ex *Pseudaletia*); Van Zwaluwenburg, 1951: 373, Mexico; Pemberton, 1948a: 72, Hawaii; Swezey, 1935a: 93, Hawaii; Williams, 1931: 292-294, Hawaii; Swezey, 1928a: 11, Hawaii.

Spodoptera exempta (Walker)

Most records ex *Laphygma exempta*.

Zimmerman, 1958: 336, Hawaii (ex *Spodoptera*); Bianchi, 1949a: 345, Hawaii; Pemberton, 1948a: 72, Hawaii; Pemberton, 1948b: 187-188, 200, Hawaii.

Spodoptera mauritia (Boisduval)

Sweetman, 1936: 355, Hawaii; Swezey, 1927a: 501-502, Hawaii; Swezey, 1927b: 216-217, Hawaii (lab.).

Armyworm(-s) (including *Pseudaletia unipuncta* (Haworth) and/or *Spodoptera mauritia* (Boisduval))

All records ex *Cirphis unipuncta* and/or *S. mauritia*.

Swezey, 1931c: 326, Hawaii; Swezey, 1928: 673, Hawaii.

Armyworm(-s)

Bianchi, 1940: 383, Hawaii; Osborn, H. T., 1938: 151-152, Hawaii; Bryan, 1934: 416, 451, Hawaii; Swezey, 1931b: 427, Hawaii; Swezey, 1927a: 503, Hawaii.

Cutworm(-s)

Bianchi, 1940: 383, Hawaii.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa—Williams, 1931: (descr.).

BIOLOGY: Pemberton, 1948b: (187-188, 200); Williams, 1931: (292-294); Swezey, 1927a: (501-502); Swezey, 1927b: (214, 216-217).

Archytas cirphis Curran probably

HOST: LEPIDOPTERA

Noctuidae

Peridroma saucia (Hübner)

Zimmerman, 1958: 290, Hawaii (ex *P. porphyrea* (Denis and Schiffermüller)).

Archytas "cirphisae," see *Archytas cirphis*

Archytas hystrix, see *Archytas metallicus*

Archytas incertus, see *Archytas incertus* or *Archytas marmoratus*

Archytas incertus (Macquart)

HOST: LEPIDOPTERA

Noctuidae

Spodoptera frugiperda (J. E. Smith)

Hayslip, 1945: 198, Fla. (as *Pseudoarchytas* ex fall armyworm).

Archytas lateralis (Macquart)

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma americanum (Fabricius)

Patton, 1958: 33, Fla.; Dozier, 1920: 372, 378, Fla.

Malacosoma californicum (Packard)

Stehr and Cook, 1968: 263, 268, 300, Ariz., Wyo.

Malacosoma californicum fragile (Stretch)

Stehr and Cook, 1968: 279, 301, Ariz.

Malacosoma californicum lutescens (Neumoegen and Dyar)

Stehr and Cook, 1968: 275-276, 301, Alta., Mont.

Malacosoma constrictum constrictum (H. Edwards)

Stehr and Cook, 1968: 256, 299, Calif.

Malacosoma incurvum incurvum (H. Edwards)

Stehr and Cook, 1968: 280, 301, Ariz.

Malacosoma spp.

Ross, 1953: 20, 23, fig. 10, B.C. (as *Nemochaeta*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Ross, 1953: (descr., fig. 10);

Greene, 1922: (descr., fig. 65 on pl. 14).

Archytas marmoratus (Townsend)Most records as *Archytas piliventris* Wulp.

HOST: LEPIDOPTERA

Noctuidae

Agrotis ipsilon (Hufnagel) probably
Curran, 1927: 498, Mexico (Sin.).*Heliophila* spp.

Vickery, 1915: 391, Tex.

Heliothis zea (Boddie)Fattig, 1949: 8 (ex *H. armigera* (Hübner)); Bibby, 1942: 943,
Tex. (ex *H. armigera*); Curran, 1928: 222, Tex. (ex *H.*
armiger); Gowdey, 1923a: 54, Jamaica (ex *Chloridea*
obsoleta (Fabricius)); Currie, 1905: 42 (ex *H. obsoleta*);
Quaintance and Brues, 1905: 123, Tex. (ex *H. obsoleta*);
Titus and Pratt, 1904: 41-42 (ex *H. obscura* (Fabricius)).*Heliothis* spp.

Bottrell, Young, Price and Adams, 1968: 1054, Okla.

Laphygma spp.

James, H. C., 1953: 27, Jamaica.

Leucania latiuscula Herrich-SchaefferAll records ex *Cirphis latiuscula*.Vickery, 1929: 49, Tex.; Vickery, 1926: 1109-1111, 1116,
Tex.; Vickery, 1925: 140, Tex.*Mocis* spp. (including *M. latipes* (Guenée) and/or *M. repanda*
(Fabricius))Scaramuzza, 1946: 549, Cuba (ex *M. repanda*).*Pseudaletia unipuncta* (Haworth)All records ex *Cirphis unipuncta*.Fattig, 1949: 8, Ga.; Vickery, 1929: 49, Tex.; Vickery,
1925: 140, Tex.*Spodoptera frugiperda* (J. E. Smith)Most records ex *Laphygma frugiperda*.Scaramuzza and Barry, 1960: 997, Cuba (as "*Architas*");
Gibson, W. W., and Carrillo S., 1959: 180, Mexico
(V.C.) (as *A. marmoratus*); Butler, 1958: 562, Ariz. (as
A. marmoratus); Patton, 1958: 33, Fla. (as *A.*
marmoratus); James, H. C., 1952: 34, Jamaica;
Scaramuzza, 1951a: 299, Cuba (as "*Architas*");
Luginbill, 1950: 6-7, U.S.; Scaramuzza, 1942: 148,
Cuba; Bruner, S. C., 1934: 96, Cuba; Van Dine and
Christenson, 1932: 2, Cuba; Scaramuzza, 1929: 122,
Cuba (ex *Laphygma*); Scaramuzza, 1929a: 113, Cuba

(ex *Laphygma*); Vickery, 1929: 1, 15-21, 45-49, Tex.; Curran, 1927: 498, Mexico (Sin.); Gowdey, 1926: 83, Jamaica; Vickery, 1926: 1116, Tex.; Vickery, 1925: 140, Tex.; Wolcott, 1924: 223, P. R.; Gowdey, 1923a: 20, Jamaica; Jones, T.H., and Wolcott, 1922: 47, P.R.; Gowdey, 1921: 4, Jamaica; Walton and Luginbill, 1916: 11; Cardin, 1915: 140, Cuba (as "*Architas*" ex "*Laphygma*"); Vickery, 1915: 391, Tex.; Jones, T. H., 1913: 235, P.R.; Van Dine, 1913b: 202, P.R. (as *A. "pilventris"*).

Spodoptera latifascia (Walker)

Tissot, 1945: 64, Fla. (as *A. incerta* (Macquart) ex *Prodenia*).

Spodoptera latifascia (Walker) probably

Patton, 1958: 33, Fla. (as *A. marmoratus* ex *Prodenia*).

Armyworm(-s)

Hayslip, Genung, Kelsheimer and Wilson, 1953: 46-47, Fla. (as *A. "pilventris"*); Curran, 1928: 222, La. (ex Mexican army worm).

Cutworm(-s)

Gibson, W. W., and Carrillo S., 1959: 180, Mexico (Son.) (as *A. marmoratus* ex gusano cortador); Hayslip, Genung, Kelsheimer and Wilson, 1953: 46-47, Fla. (as *A. "pilventris"*).

Unidentified Lepidoptera

Corn stalk borer(-s)

Curran, 1928: 222, Calif.?

Miscellaneous

Wolcott, 1951a: 483, P.R. (as *A. incerta* ex caterpillars on beets and peas).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Hayslip, Genung, Kelsheimer and Wilson, 1953: (46-47); Luginbill, 1950: (6-7); Vickery, 1929: (1, 15-21, 45-49); Vickery, 1926: (1109-1111, 1116); Walton and Luginbill, 1916: (11).

Archytas metallicus (Robineau-Desvoidy)

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria deflorata (Fabricius)

Brauer and Bergenstamm, 1895: 558, 591, N. Amer. (as *Jurinia hystrix* Williston ex *E. scribonia* Stoll).

Noctuidae

Spodoptera frugiperda (J. E. Smith)
Fattig, 1949: 7, Ga. (ex *Laphygma*).

Notodontidae

Datana angusii Grote and Robinson
Schaffner and Griswold, 1934: 74-75, 125; Bruner, 1890:
51-52, Nebr. (as *Tachina datanae* Bruner).

Datana integerrima Grote and Robinson
Raizenne, 1952: 81-82, Ont.; Schaffner and Griswold, 1934:
76, 125.

Datana ministra (Drury)
Raizenne, 1952: 80, Ont.; Schaffner and Griswold, 1934: 74,
125.

Datana perspicua Grote and Robinson
Schaffner and Griswold, 1934: 75, 125; Brimley, 1922: 21,
N.C. (as *A. hystrix*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 64 on pl. 14).

BIOLOGY: Schaffner and Griswold, 1934: (125); Bruner, 1890:
(51-52).

Archytas sp. near *metallicus* (Robineau-Desvoidy)

HOST: LEPIDOPTERA

Noctuidae

Unidentified Catocalinae

Schaffner and Griswold, 1934: 67, 125, N.J.

BIOLOGY: Schaffner and Griswold, 1934: (67, 125).

Archytas piliventris, see *Archytas marmoratus*

Archytas "piliventris," see *Archytas marmoratus*

Archytas smaragdinus (Macquart)

HOST: LEPIDOPTERA

Megalopygidae

Megalopyge crispata (Packard)

Brauer and Bergenstamm, 1895: 543, 595, N. Amer. (ex
Lagoa).

Archytas vulgaris, see *Archytas apicifer*

Archytas sp. (*A. "cirphisae"*), see *Archytas cirphis*

Archytas spp. (including *A. apicifer* (Walker) and/or *A. californiae* (Walker))

All records as *Archytas analis* (Fabricius).

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma californicum (Packard)

Essig, 1926: 585, Calif.; Chittenden, 1901a: 61 (ex *Clisiocampa*).

Malacosoma californicum fragile (Stretch)

Essig, 1926: 585, Colo. (ex *M. fragilis*).

Tent caterpillar(-s)

Aldrich, 1915: 83.

Noctuidae

Elaphria nucicolora (Guenée)

Vickery, 1925: 140, Tex. (ex *Monodes*).

Heliophila spp.

Vickery, 1915: 391, Tex.

Leucania juncicola (Guenée)

All records ex *Cirphis juncicola*.

Sweetman, 1936: 220, N. Amer. (lab.); Allen, 1926: 424, 428 (lab.).

Peridroma saucia (Hübner)

Most records ex *Lycophotia margaritosa* (Haworth).

Sweetman, 1936: 123-125, 220, fig. 38, N. Amer.; *Crumb, 1929: 40, 115 (ex *L. saucia*, Chittenden, 1901a); Allen, 1926: 417-435, figs. 1-5, pl. 1, Miss.; Essig, 1926: 585, Calif., Colo.; Wakeland, 1920: 18, Colo.; Chittenden, 1901a: 61, Ill. (ex *Peridroma saucia*).

Pseudaletia unipuncta (Haworth)

Most records ex *Cirphis unipuncta*.

Sweetman, 1936: 220, N. Amer. (ex armyworm); Poos, 1928: 146, Va.; Allen, 1926: 417-435, figs. 1-5, pl. 1, Miss.; Vickery, 1926: 1117-1118, Tex.; Vickery, 1925: 140, Tex.; Reinhard, 1922: 72, Tex.; Sherman, 1915: 301-302, N.C. (ex *Heliophila*); Chittenden, 1901a: 61, Kans. (ex *Leucania*).

Spodoptera frugiperda (J. E. Smith)

All records ex *Laphygma frugiperda*.

Sweetman, 1936: 220, N. Amer.; Luginbill, 1928: 81, Kans.; Allen, 1926: 427-428, Miss.

Spodoptera ornithogalli (Guenée)

All records ex *Prodenia ornithogalli*.

Sweetman, 1936: 220, N. Amer. (lab.); Allen, 1926: 424, 428, Miss. (ex *P. "ornithogalli"*).

Spodoptera ornithogalli (Guenée) probably

Wolcott, 1951a: 482, P.R. (ex *Prodenia*).

Armyworm(-s)

Brimley, 1922: 21, N.C.; Reinhard, 1919: 280, Tex.; Aldrich, 1915: 83.

Cutworm(-s)

Smith, R. C., 1943: 377, Kans.; Allen, 1924: 24, Miss. (as *A. "annalis"*); Wolcott, 1924: 223, P.R. (ex cutworm on tobacco).

Unidentified Lepidoptera

Miscellaneous

Smith, R. C., 1943: 377, Kans. (ex destructive caterpillars).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: First instar larva — Sweetman, 1936: (fig. 38); Allen, 1926: (descr., figs. 1-2, 5, pl. 1).

Second instar larva — Allen, 1926: (descr.).

Third instar larva — Allen, 1926: (descr., fig. 3, pl. 1).

Pupa — Allen, 1926: (descr., fig. 4, pl. 1); Greene, 1922: (descr., fig. 63 on pl. 14).

BIOLOGY: Sweetman, 1936: (123-125, 220); Allen, 1926: (417-435).

Archytas sp. (*A. apicifer* (Walker) or *A. californiae* (Walker) probably)

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

Gahan, 1917: 212, Tenn. (as probably "*Archytes*" *anal*is (Fabricius) ex *Leucania*).

BIOLOGY: Gahan, 1917: (212).

Archytas spp.

HOST: LEPIDOPTERA

Noctuidae

Peridroma saucia (Hübner)

Walkden, 1943: 381 (ex *P. margaritosa* (Haworth)).

Spodoptera sp.

Rosa, 1927: 360, Hawaii.

Armyworm(-s)

Swezey, 1925: 372, Hawaii.

Notodontidae

Datana integerrima Grote and Robinson

*Haseman, 1940: 13 (Baerg, 1928); Baerg, 1928: 15, Ark.

STAGE PARASITIZED: Larva.

"Archytes" analis, see *Archytas* sp. (*A. apicifer* or *A. californiae* probably)

"Archytes" aterrima, see *Archytas aterrimus*

"Archytus apicifere," see *Archytas apicifer*

"Argyrophyla" albincisa, see *Argyrophylax albincisa*

Argyrophylax Brauer and Bergenstamm (Goniinae: Eumasicerini)

Argyrophylax "albincisa," see *Argyrophylax albincisa*

Argyrophylax albincisa (Wiedemann)

HOST: LEPIDOPTERA

Pyralidae

Eulepte concordalis Hübner

Most records ex *Mesocondyla concordalis*.

Wolcott, 1951a: 480, P.R.; Martorell, 1945a: 515, P.R.
(as *A. "albincisa"* ex *Eulepte*); Wolcott, 1924: 222,
P.R. (as *Sturmia*).

Hedylepta indicata (Fabricius)

Wolcott, 1951a: 480, P.R. (ex "*Hydelepta*"); Bruner, S.C.,
1935: 12, 36-37, Cuba (as "*Argyrophyla*" ex
Lamprosema); Aldrich, 1925: 129, P.R. (ex *Nacoleia*);
Wolcott, 1924: 222, P.R. (as *Sturmia* ex *Nacoleia*);
Walton, 1916a: 189, 192, P.R. (ex "*Nacaleia*").

Hymenia perspectalis (Hübner)

All records ex *Zinckenia perspectalis*.

Wolcott, 1951a: 480, P.R.; Wolcott, 1924: 222, P.R. (as
Sturmia).

Hymenia recurvalis (Fabricius)

Aldrich, 1925: 129, Virgin Islands (ex *H. fascialis* (Cramer));
Wilson, C. E., 1923a: 7, Virgin Islands (ex *Zinckenia*
fascialis).

Maruca testulalis (Geyer)

Bruner, S. C., 1935: 12, Cuba (as "*Argyrophyla*"); Leonard
and Mills, 1931: 468, Cuba (as "*Argyrophyla*").

Pilemia periusalis (Walker)

Wolcott, 1951a: 480, P.R. (ex *Psara*).

Pilocrocis inguinalis (Guenée)

Martorell, 1945: 349, P.R.; Martorell, 1945a: 535, P.R. (as *A. "albicensa"*).

Psara pallicaudalis Snellen

All records ex *Pachyzancla periusalis* (Walker).

Aldrich, 1925: 129, P.R. (ex *Pachyzancla* "*pertusalis*");

Wolcott, 1924: 222, P.R. (as *Sturmia*).

STAGE PARASITIZED: Larva, pupa.

Argyrophylax piperi, see *Lespesia schizurae*

Argyrophylax protoparcis, see *Drino rhoeo*

Argyrophylax protoparcis probably, see *Drino rhoeo* probably

Argyrophylax schizurae, see *Lespesia schizurae*

Argyrophylax spp.

HOST: LEPIDOPTERA

Pyralidae

Etiella zinckenella (Treitschke)

Anon., 1939a: 108, P.R. (as "*Agrophylax*").

Saturniidae

Hemileuca maia (Drury)

Brauer and Bergenstamm, 1895: 544, 594, 606, N. Amer.

Sphingidae

Agrius cingulatus (Fabricius)

Brauer and Bergenstamm, 1895: 544, 598 (ex *Macrosila*).

Ceratomia amyntor (Hübner)

Brauer and Bergenstamm, 1895: 544, 586, N. Amer.

Pholus achemon (Drury)

Townsend, 1895: 72, Colo. (ex *Philampelus*).

STAGE PARASITIZED: Larva.

Argyrophylax sp. probably

HOST: LEPIDOPTERA

Arctiidae

Estigmene acrea (Drury)

Brauer and Bergenstamm, 1895: 544, 597, N. Amer. (ex *Leucarctia acrea*).

Arrhinomyia tragica, see *Elodia tragica*

Atacta Schiner (Goniinae: Belvosiini)

Atacta apicalis, see *Atacta brasiliensis*

Atacta brasiliensis Schiner

HOST: LEPIDOPTERA

Noctuidae

Mocis latipes (Guenée) probably

Aldrich, 1925b: 29-30, Panama (ex *Remigia repanda* (Fabricius)).

Sphingidae

Manduca spp.

Rowe, 1933:123, Ill. (as *A. apicalis* Coquillett ex *Protoparce*).

Atacta geminata, see *Drino rhoeo*

Ateloglossa Coquillett (Proseninae: Prosenini)

Ateloglossa cinerea Coquillett

HOST: COLEOPTERA

Elateridae

Melanotus spp.

Thomas, 1940: 30, Mass.; Packard, C. M., 1929: 598, Mass.
STAGE PARASITIZED: Larva.

BIOLOGY: Packard, C. M., 1929: (598).

Athanatus Reinhard (Dexiinae: Macquartiini)

Athanatus californicus (Coquillett)

HOST: LEPIDOPTERA

Noctuidae

Heliothis ononis (Denis and Schiffermüller)

McDonald, 1947: 239, W. Canada (as *Phytopsis*).

STAGE PARASITIZED: Larva.

Athrycia Robineau-Desvoidy (Tachininae: Voriini)

Athrycia cinerea (Coquillett)

Most records as *Blepharigena spinosula* (Bigot).

HOST: HYMENOPTERA

Unidentified Hymenoptera

Sawfly(-flies)

Webster, 1898: 19, Ohio (as *Paraplagia*).

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

Guppy, J. C., 1967: 97, 99-100, 102, Ont. (as *A. cinerea*); Breeland, 1958: 323, 334, Nebr. (as *B. "cineria"* and *B. "cinera"*); Butler, 1958: 562, Ariz.; Schaffner and Griswold, 1934: 47, 108, Mass. (ex *Cirphis*); Allen, 1929: 684, Miss. (ex *Cirphis*).

STAGE PARASITIZED: Larva (Hymenoptera, Lepidoptera), pupa (Lepidoptera).

IMMATURES: Pupa — Greene, 1922: (as *Paraplagia "spinulosa"*; descr., fig. 43 on pl. 9).

BIOLOGY: Guppy, J.C., 1967: (97, 99-100, 102); Schaffner and Griswold, 1934: (47, 108).

Aubaeanetia anorbitalis, see *Oswaldia anorbitalis*

Aubaeanetia assimilis, see *Oswaldia assimilis*

"*Belvoisia*" *unifasciata*, see *Triachora unifasciata*

Belvosia Robineau-Desvoidy (Goniinae: Belvosiini)

Belvosia argentifrons Aldrich

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Miscellaneous

Aldrich, 1928a: 33, Va. (ex pupa (Hopkins 14802 F)).

STAGE PARASITIZED: Pupa.

Belvosia bicincta Robineau-Desvoidy

HOST: LEPIDOPTERA

Noctuidae

Mocis latipes (Guenée) probably

All records ex *Mocis repanda* (Fabricius).

Anon., 1954: 99, Costa Rica; Anon., 1953: 91, Costa Rica (as *B. "bicinta"*).

Sphingidae

Hawk moth(-s)

Aldrich, 1928a: 36, Jamaica.

STAGE PARASITIZED: Larva, pupa.

Belvosia "bicinta," see *Belvosia bicincta*

Belvosia bifasciata (Fabricius)

HOST: LEPIDOPTERA

Citheroniidae

Anisota rubicunda (Fabricius)

Schaffner and Griswold, 1934: 30-31, 109; Aldrich, 1928a: 31; Johnson, 1925: 193, Conn., Mass., N.H., R.I. (ex *Dryocampa*); Johnson, 1910: 779, N.J. (as *Latreillimyia* ex *Dryocampa*); Howard and Chittenden, 1909: 5, Mo.; Felt, 1908: 16, N.Y.; Coquillett, 1897: 10, 25, Mo. (ex *Dryocampa*); Brauer and Bergenstamm, 1895: 558, 582, N. Amer. (as *Latreillia*); Packard, 1890: 393 (as *Tachina* ex *Dryocampa*); Riley, 1873: 140-141, N.Y. (as *Tachina*).

Anisota sp. near *rubicunda* (Fabricius)

Patton, 1958: 33, Fla.

Anisota senatoria J. E. Smith

Brimley, 1922: 21, N.C.

Citheronia regalis (Fabricius)

Fattig, 1949: 8-9 (ex "*Citherona*"); Aldrich, 1928a: 31; Johnson, 1925: 193, Conn., Mass., N.H., R.I.; Brimley, 1922: 21, N.C.; Johnson, 1910: 779, N.J. (as *Latreillimyia*); Coquillett, 1897: 10, 24; Brauer and Bergenstamm, 1895: 558, 587, N. Amer. (as *Latreillia*); Brauer and Bergenstamm, 1895: 558, 586 (as *Latreillia* ex *Cerocampa*); Riley, 1873: 141, Pa.

Eacles imperialis (Drury)

Most records ex *Basilona imperialis*.

Fattig, 1949: 8-9; Brimley, 1922: 21, N.C.; Walton, 1913b: 24, 27, Pa.; Britton, 1912: 341, Conn. (as *Latreillimyia*); Johnson, 1910: 779, N.J. (as *Latreillimyia* ex *Eacles*).

Notodontidae

Datana integerrima Grote and Robinson

Smith, R. C., 1943: 377, Kans. (ex walnut caterpillar).

Saturniidae

Antheraea polyphemus (Cramer)

All records ex *Telea polyphemus*.

Fattig, 1949: 8-9, Ga.; Aldrich, 1928a: 31, Mass.

Hemileuca spp. (including *H. lucina* H. Edwards and/or *H. maia* (Drury))

Schaffner and Griswold, 1934: 29, 109.

Hemileuca sp.

Coquillett, 1897: 10, 25, Calif.

Hemileuca sp. probably

Aldrich, 1928a: 31, Calif.

Sphingidae

Agrius cingulatus (Fabricius)

All records ex *Herse cingulata*.

Wolcott, 1951a: 477-478, P.R.; Wolcott, 1924: 222, P.R.

Ceratomia amyntor (Hübner)

Aldrich, 1928a: 32, N.C.

Ceratomia undulosa (Walker)

Brimley, 1922: 21, N.C.

Unidentified Lepidoptera

Miscellaneous

Smith, R. C., 1943: 377, Kans.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 15 on pl. 4).

BIOLOGY: Patton, 1958: (33); Wolcott, 1951a: (477-478);

Schaffner and Griswold, 1934: (109); Britton, 1912: (341).

Belvosia borealis Aldrich

HOST: LEPIDOPTERA

Sphingidae

Ceratomia catalpae (Boisduval)

Fattig, 1949: 9, Ga.

Ceratomia undulosa (Walker)

Fattig, 1949: 9; Brimley, 1938: 361, [N.C.]; Brimley, 1928: 205, N.C. (as *B. orion* Brimley).

STAGE PARASITIZED: Pupa.

Belvosia ciliata Aldrich

HOST: LEPIDOPTERA

Hesperiidae

Unidentified Hesperiidae

Arnaud, 1963: 108, Mexico.

Saturniidae

Automeris nyctimene leucane Geyer

Aldrich, 1928a: 23, Mexico (ex *A. leucane*).

Copaxa lavendera (Westwood) probably

Aldrich, 1928a: 23, Mexico.

Belvosia ciliata var. *formosa*, see *Belvosia formosa*

Belvosia ferruginosa Townsend

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Miscellaneous

Johnson, 1919: 436, Jamaica (ex chrysalis); Townsend,
1895: 71, Jamaica (ex chrysalis).

STAGE PARASITIZED: Pupa.

Belvosia formosa Aldrich

HOST: LEPIDOPTERA

Saturniidae

Rothschildia orizaba (Westwood)

Aldrich, 1928a: 23, Mexico (as *B. ciliata* var. *formosa* ex
Saturnia).

Belvosia nigrifrons Aldrich

HOST: LEPIDOPTERA

Saturniidae

Hyalophora calleta (Westwood)

Aldrich, 1928a: 39, El Salvador (ex *Callosamia* "colleta").

Rothschildia aroma Schaus probably

Quezada, 1967: 595, 597-598, El Salvador.

Rothschildia orizaba (Westwood)

Aldrich, 1928a: 39, El Salvador (ex "Attacas").

Rothschildia sp.

Aldrich, 1928a: 39, Honduras.

STAGE PARASITIZED: Larva, pupa.

Belvosia ochriventris, see *Triachora ochriventris*

Belvosia omissa, see *Triachora omissa*

Belvosia orion, see *Belvosia borealis*

Belvosia recticornis Macquart

HOST: LEPIDOPTERA

Saturniidae

Hylesia alinda Druce

Aldrich, 1928a: 15, Mexico.

Hylesia darlingi Dyar

Aldrich, 1928a: 15, Panama.

Hylesia sp.

Aldrich, 1928a: 15, Panama.

Belvosia townsendi Aldrich

HOST: LEPIDOPTERA

Citheroniidae

Citheronia regalis (Fabricius)

Aldrich, 1928a: 34.

Eacles imperialis (Drury)

Schaffner and Griswold, 1934: 31, 109, N.J.; Aldrich,
1928a: 34, N.Y., Pa.

Sphingidae

Ceratomia amyntor (Hübner)

Aldrich, 1928a: 34, N.C.

Unidentified Lepidoptera

Miscellaneous

Aldrich, 1928a: 34, Va. (ex large pupa (Hopkins 14802 F)).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Schaffner and Griswold, 1934: (31, 109).

Belvosia unifasciata, see *Triachora unifasciata*

Belvosia sp.

HOST: LEPIDOPTERA

Citheroniidae

Anisota rubicunda (Fabricius)

Brauer and Bergenstamm, 1895: 558, 591, N. Amer. (as
Latreillia bifasciata or *Willistonina bicincta* ex
Dryocampa).

Beskia Brauer and Bergenstamm (Phasiinae: Cylindromyiini)

Beskia aelops (Walker)

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Pentatomid spp. (including *Euschistus ictericus* (Linnaeus),
Mormidea pictiventris Stål, *Nezara viridula* (Linnaeus)
and/or *Oebalus pugnax* (Fabricius))

Thames, 1954: 236, Fla. (ex *E. ictericus*, *M. pictiventris*,
"Nezera" *viridula* and/or *Solubea pugnax*).

HOST: HEMIPTERA (HOMOPTERA)

Aphididae

Macrosiphum avenae (Fabricius) probably

Townsend, 1928: 150-151, Okla. (ex grain aphid on wheat,
probably *M. granaria* (Kirby)).

HOST: LEPIDOPTERA

Noctuidae

Alabama argillacea (Hübner)

Creighton, 1936: 93, Fla.

STAGE PARASITIZED: Adult (Hemiptera—Heteroptera).

IMMATURES: Pupa — Greene, 1922: (descr., fig. 11 on pl. 3).

Beskia aelops (Walker) probably

HOST: ORTHOPTERA

Tettigoniidae

Neoconocephalus robustus robustus (Scudder)

Nutting, 1953: 76, Mass.

STAGE PARASITIZED: Adult.

Bessa Robineau-Desvoidy (Goniinae: Exoristini)

Bessa harveyi (Townsend)

HOST: HYMENOPTERA

Argidae

Arge clavicornis (Fabricius) complex

Turnock and Melvin, 1963: 648, Que.; Raizenne, 1957: 8,
Que. (ex *A. clavicornis* abdomen yellow).

Arge pectoralis (Leach)

Turnock and Melvin, 1963: 648, Man., Mass.

Arge rubiginosa (Palisot de Beauvois)

Turnock and Melvin, 1963: 648, R.I.

Arge sp.

Turnock and Melvin, 1963: 648, Ont.

Diprionidae

Diprion hercyniae (Hartig)

Turnock and Melvin, 1963: 647-648, Maine, N.B., Nfld., N.S., Ont., P.E.I., Que. (ex *Gilpinia*); Finlayson, T., 1960a: 923, 936-937, fig. 12, Canada.

Neodiprion abietis (Harris)

Finlayson, T., 1963: 477, 502.

Neodiprion abietis (Harris) complex

Turnock and Melvin, 1963: 647-648, Man., N.S., Ont., Que., Sask.

Neodiprion lecontei (Fitch)

Finlayson, T., 1963: 479, 502; Turnock and Melvin, 1963: 648, Ont.; Monteith, 1962: 881-883, Ont. (lab.); Raizenne, 1957: 20, Ont.; Benjamin, 1955: 20, Canada.

Neodiprion maurus Rohwer

Turnock and Melvin, 1963: 648, Ont.

Neodiprion nanulus nanulus Schedl

Turnock and Melvin, 1963: 648, Ont.

Neodiprion pratti banksianae Rohwer

Turnock and Melvin, 1963: 648, Man., Ont.

Neodiprion swaini Middleton

Turnock and Melvin, 1963: 648, Ont., Que.

Neodiprion virginiana Rohwer complex

Finlayson, T., 1963: 485, 502; Turnock and Melvin, 1963: 648.

Neodiprion spp.

Turnock and Melvin, 1963: 648, B.C., Ont., S.C.

Tenthredinidae

Amauronematus spp.

Turnock and Melvin, 1963: 648, Man., Sask.

Ametastegia pallipes (Spinola)

Tothill, 1913: 72, Ont. (as *Frontina tenthredinidarum* (Townsend) ex *Emphytus canadensis* Kirby).

Anoplonyx canadensis Harrington

Turnock and Melvin, 1963: 648, Ont.

Anoplonyx luteipes (Cresson)

Turnock and Melvin, 1963: 648, Man., Nfld.

Anoplonyx spp.

Turnock and Melvin, 1963: 648, B.C.

Cladius isomerus Norton

Turnock and Melvin, 1963: 648, Ont.

Cladius pectinicornis Fourcroy

Tothill, 1913: 72, Ont. (as *Frontina tenthredinidarum*).

Croesus latitarsus Norton

Turnock and Melvin, 1963: 648, Man., Ont., Sask.

Hemichroa crocea (Fourcroy)

Turnock and Melvin, 1963: 647-648, B.C., Man., N.B., Ont., Sask.

Macremphytus varianus (Norton)

Turnock and Melvin, 1963: 648, Man., Sask.

Macremphytus spp.

Turnock and Melvin, 1963: 648, Man.

Nematus chalceus (Marlatt) probably

Turnock and Melvin, 1963: 648, Sask.

Nematus hyalinus (Marlatt)

Turnock and Melvin, 1963: 648, Man.

Nematus limbatus Cresson

Turnock and Melvin, 1963: 648, Man., Ont.

Nematus ribesii (Scopoli)

Turnock and Melvin, 1963: 648, Maine, Mich., N.H., Ont.

Nematus ventralis Say

Turnock and Melvin, 1963: 648, B.C., Conn., Man., Wis.

Pikonema alaskensis (Rohwer)

Monteith, 1964: 1480-1481 (lab.); Turnock and Melvin, 1963: 647, 649, Alta., Maine, Man., Minn., Ont., Que., Sask.; Raizenne, 1957: 32, Ont.; Bradley, 1951: 130, Sask.

Pikonema dimmockii (Cresson)

Turnock and Melvin, 1963: 649, Man., Que.

Pikonema sp.

Turnock and Melvin, 1963: 649, Maine.

Platycampus spp.

Turnock and Melvin, 1963: 649, Idaho, Sask.

Priophorus morio (Lepeletier)

Turnock and Melvin, 1963: 649, Calif.

Pristiphora erichsonii (Hartig)

Ives, Turnock, Buckner, Heron and Muldrew, 1968: 14, 25-27, 32-35, Man.; Ives, 1964: 39, Man. (ex larch sawfly); Monteith, 1964: 1480-1481 (lab.); Turnock and Muldrew, 1964: 95-96, Man. (ex larch sawfly); Turnock and Melvin, 1963: 647, 649, Alta., B.C., Maine, Man., Mich., Minn., Mont., N.B., Nfld. N.S., N.W.T., Ont., Que., Sask., Wis.; Monteith, 1962: 881, Ont.; Turnock and Ives, 1962: 898, 900, Man.; Bracken and Martineau, 1961: 259, Que.; Heron, 1961: 431-433 (lab.); Nairn,

Turnock, Ives and Buckner, 1961: 37-39, 41-42, 45, Cent. Canada, Man.; Heron, 1960: 476-480, Canada; Monteith, 1960: 641-646, 648-651, Ont.; Turnock, 1960: 513-514, Man., Sask.; Buckner, 1959: 537-542, Man.; Ives and Prentice, 1959: 496-500, Man.; Ives and Turnock, 1959: 652, 656-658, Man.; Raizenne, 1957: 30, Ont.; Graham, S. A., 1956: 152-154, Minn.; Ives, Muldrew, Turnock and Nairn, 1956: 13, 15, 17-18, Man. (ex larch sawfly); Muldrew, 1956: 13, Man. (ex larch sawfly); Anon., 1955c: 196, St. Lawrence Gulf prov.; Graham, 1955: 66 (lab.); Gardiner, 1954: 18, Man., Sask. (ex larch sawfly); Lejeune and Hildahl, 1954: 337, 339-340, Man., Sask.; McLeod, 1954: 23, B.C.; Reeks, 1954: 474-479, N.B., N.S.; Drooz, 1953: 828, Minn.; Anon., 1952d: 209-210, Man., Sask.; Lejeune, 1951: 153-154, Man., Sask.; Lejeune, 1951a: 22-23, Man., Sask.; MacNay, 1951: 127, Man., Sask. (ex larch sawfly); Hildahl, 1950: 109, Man., Sask.; Gardiner, 1949: 97, B.C. (ex larch sawfly); Gardiner, 1948: 89, Man. (ex larch sawfly); Gardiner, 1947: 93, Man. (ex larch sawfly); McGuffin and Barker, 1947: 61, Man. (ex "European" larch sawfly); Reeks, Forbes and Cuming, 1947: 9, Nfld.; Anon., 1946: 195, maritime area; Gardiner, 1946: 74, Man. (ex larch sawfly); Procter, 1946: 435, Maine (as *B. tenthrredinidarum* ex "*Lygaeonematis ericksonii*"); *Procter, 1946: 434, Maine (as *Achaetoneura tenthrredinidarum* ex "*Lygaeonematis ericksonii*," Procter, 1938); Reeks, 1946: 26, Nfld.; Baird, 1944: 119, 129, 137, N.B., Ont.; Baird, 1943: 110, 121, 127, N.B., Ont.; Procter, 1938: 375, Maine (as *Achaetoneura tenthrredinidarum* ex "*Lygaeonematis ericksonii*"); Baird, 1923: 159, 163-164, 166, N.B. (as *Frontina tenthrredinidarum* ex *Lygaeonematus*); Britton, 1916a: 131, N.B. (as *Frontina tenthrredinidarum* ex *Lygaeonematus*); Hewitt, 1912: 33, N.B. (as *Frontina tenthrredinidarum* ex *Nematus*).

Pristiphora erichsonii (Hartig) probably

*Vide Hewitt, 1912: 33, Ont. (as *Frontina tenthrredinidarum* ex *Nematus*, Brauer and Bergenstamm, 1895; Townsend, 1892a); *Brauer and Bergenstamm, 1895: 561, 600 (as *Masicera tenthrredinidarum* ex *Nematus*? sp., Townsend, 1892a); Townsend, 1892a: 285-286, Canada (as *Masicera tenthrredinidarum* ex *Nematus*? [sp.]).

Pristiphora geniculata (Hartig)

Forbes and Daviault, 1964: 1128, N.E. states; Turnock and
Melvin, 1963: 647, 649, N.B., N.S., Ont., Que.;
Raizenne, 1957: 30, Ont.

Pristiphora leechi Wong and Ross

Turnock and Melvin, 1963: 649, B.C.

Pristiphora lena Kincaid

Turnock and Melvin, 1963: 649, Man.

Strongylogaster sp.

Turnock and Melvin, 1963: 649, Man.

Trichiocampus irregularis (Dyar)

Turnock and Melvin, 1963: 649, Ont.

Trichiocampus viminalis (Fallén)

Turnock and Melvin, 1963: 649, 652, Maine, Man., Ont.,
Que.; Raizenne, 1957: 27, Ont., Que.

Trichiocampus sp.

Turnock and Melvin, 1963: 649, Sask.

Unidentified Tenthredinidae

Turnock and Melvin, 1963: 649, Alta., B.C., Man., Sask.

HOST: LEPIDOPTERA

Geometridae

Eupithecia luteata Packard

Turnock and Melvin, 1963: 649, Man.

Nepytia canosaria (Walker)

Turnock and Melvin, 1963: 649, N.B.

Semiothisa granitata Guenée complex

Turnock and Melvin, 1963: 649, B.C.

Unidentified Geometridae

Turnock and Melvin, 1963: 649, Que.

Nymphalidae

Nymphalis antiopa (Linnaeus)

Turnock and Melvin, 1963: 649, N.B.

Tortricidae

Archips sp.

Turnock and Melvin, 1963: 649, Sask.

Unidentified Tortricidae

Turnock and Melvin, 1963: 649, Man.

STAGE PARASITIZED: Larva (Hymenoptera), pupa
(Hymenoptera).

IMMATURES: Egg — Monteith, 1960: (descr.).

Second instar larva — Finlayson, T., 1960a: (descr., fig. 12).

Pupa — Greene, 1922: (descr., fig. 82 on pl. 17).

BIOLOGY: Ives, Turnock, Buckner, Heron and Muldrew, 1968: (14, 25-27, 32-35); Monteith, 1964: (1480-1481); Monteith, 1962: (881-883); Heron, 1961: (431-433); Nairn, Turnock, Ives and Buckner, 1961: (37-39, 41-42, 45); Finlayson, T., 1960a: (923, 936-937); Heron, 1960: (476-480); Monteith, 1960: (641-646, 648-651); Turnock, 1960: (513-514); Ives, Muldrew, Turnock and Nairn, 1956: (13, 15, 17-18); Muldrew, 1956: (13); Baird, 1923: (159, 163-164, 166).

Bessa selecta (Meigen)

HOST: HYMENOPTERA

Diprionidae

Diprion hercyniae (Hartig)

Briand, 1949: 56-57, Que. (ex [European] spruce sawfly);
Hawboldt, 1947: 84-103, pls. 8-9, N.B., N.S. (ex
Gilpinia); Lambert, 1941: 36 (ex European spruce
sawfly).

Diprion polytomum (Hartig)

Reeks, 1938: 25-26, E. Canada; Balch, 1936: 28, Que.

Neodiprion lecontei (Fitch)

Anon., 1959a: 272, Minn. (ex red-headed pine sawfly).

Neodiprion swainei Middleton

Anon., 1959a: 272, Minn. (ex Swaine jack-pine sawfly).

Tenthredinidae

Hemichroa crocea (Fourcroy)

Hopping, 1937: 248-249, B.C.

Pikonema alaskensis (Rohwer)

Anon., 1959a: 272, Minn. (ex yellow-headed spruce sawfly);
Rendall, 1943: 39, Maine; Nash, 1939: 333, Maine.

Pikonema dimmockii (Cresson)

Reeks, 1938: 26 (lab.).

Priophorus morio (Lepeletier)

Smith, L.M., and Kido, 1949: 50, Calif. (ex *P. rubivorus*
Rohwer).

Pristiphora erichsonii (Hartig)

Drooz, 1960: 32-33, 45, Minn.; Anon., 1959a: 272, Minn.
(ex larch sawfly); Anon., 1959b: 711, Minn.; Hawboldt,
1947: 84; Hopping, Leech and Morgan, 1943: 59, 61,

B.C.; Baird, 1942: 115, 127, 132-133, N.B., Ont.; Baird, 1941a: 97, 118, 121-122, 124, N.B.; Balch, 1941: 37, N.B.; Balch and Hawboldt, 1941: 24, N.B.; Lambert, 1941: 36, Que.; Twinn, 1941: 12, N.B., N.S.; Atwood, 1940: 211, Ont. (ex larch sawfly); Baird, 1940: 97, 117, 122-123, N.B., Que.; Balch, 1940: 22, N.S.; Richmond, 1940: 52, Man.; Atwood, 1939: 38, Ont., Que.; Baird, 1939: 105, 121, 125, 127, N.B., Que.; Balch, 1939: 30, N.B., N.S.; Hopping, 1939: 277, B.C.; Twinn, 1939: 18, B.C., Man., N.B., N.S., Ont.; Atwood, 1938: 296, Ont. (ex larch sawfly, incomplete rearing — egg); Balch, 1938: 26, N.B., N.S., Que. (ex *Lygaeonematus*); Brown, A.W.A., 1938: 17, E. Canada; Reeks, 1938: 25, N.B.; Twinn, 1938: 132, N.B., N.S.; Baird, 1937: 67, Canada (ex *Lygaeonematus*); Dowden, 1937: 381, Great Lakes region, Mont. (ex *Nematus* “*ericksonii*”); Hopping, 1937: 248-249, B.C. (ex “European” larch sawfly); Hopping, R., 1937: 63, B.C. (ex *Lygaeonematus*); Twinn, 1937: 85, N.B. (ex *Lygaeonematus*); Balch, 1936a: 144, N.B. (ex *Lygaeonematus*); Balch, 1936b: 197, N.B., N.S. (ex *Lygaeonematus*).

Pristiphora geniculata (Hartig)

Forbes and Daviault, 1964: 1128, N.E. U.S. (as “*Ptychomia*”).

HOST: LEPIDOPTERA

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Beaulne, 1953: 195, Que.

STAGE PARASITIZED: Larva (Hymenoptera), pupa (Hymenoptera).

IMMATURES: Egg — Hawboldt, 1947: (descr., figs. 1-2 on pl. 8).

First instar larva — Hawboldt, 1947: (descr., figs. 3-6, 9-10 on pl. 8).

Second instar larva — Hawboldt, 1947: (descr., figs. 7-8, 11, 13, 19 on pl. 8).

Third instar larva — Hawboldt, 1947: (descr., figs. 12, 14 on pl. 8, 20-24 on pl. 9).

Pupa — Hawboldt, 1947: (descr., figs. 15-18 on pl. 8, 25-30 on pl. 9).

BIOLOGY: Drooz, 1960: (32-33, 45); Smith, L. M., and Kido, 1949: (50); Hopping, Leech and Morgan, 1943: (59, 61); Reeks, 1938: (25-26).

Bessa selecta (Meigen) probably
HOST: HYMENOPTERA

Tenthredinidae

Pristiphora erichsonii (Hartig)

Leech, 1936: 99, B.C. (ex larch sawfly).

STAGE PARASITIZED: Pupa.

BIOLOGY: Leech, 1936: (99).

Bessa tenthredinidarum, see *Bessa harveyi*

Bessa spp.

HOST: HYMENOPTERA

Tenthredinidae

Pristiphora erichsonii (Hartig)

Hawboldt, 1940: 155, N.B.

STAGE PARASITIZED: Pupa.

“**Bessaria**” (*Celatoria*) **crawii**, see *Celatoria diabroticae*

Besseria **crawii**, see *Celatoria diabroticae*

Bigonichaeta setipennis, see *Bigonicheta spinipennis*

Bigonichaeta spp., see *Bigonicheta spinipennis*

Bigonicheta **Rondani** (Tachininae: Germariini)

Bigonicheta setipennis, see *Bigonicheta spinipennis*

Bigonicheta spinipennis (Meigen)

Most records as *Bigonicheta setipennis* (Fallén).

HOST: DERMAPTERA

Forficulidae

Forficula auricularia Linnaeus

Sabrosky and Arnaud, 1965: 1012 (as *B. spinipennis* ex [European] earwigs); Anon., 1958: 126, Nfld. (as *B. spinipennis*); Johansen, 1957: 62-63, Wash.; Clausen, 1956: 5, 71, 85-86, Idaho, Oreg., Utah, Wash.; MacNay, 1956: 295-296, 299, 301, B.C. (as *Bigonichaeta* spp.); MacNay, 1955: 321, 326, 328, B.C. (as *Bigonichaeta spinipennis*); Anon., 1954f: 300, B.C. (lab.); Davis, J. E., 1954: 204, Oreg. (probable host); MacNay, 1954: 332, 336, 339, B.C.; McLeod, 1954: 20-21, B.C. (as *Bigonichaeta*); MacNay, 1953a: 307, 312, 316, B.C.; Anon., 1952b: 175, 181, 186, B.C.; Anon., 1952g: 284, 291, 295, B.C.; McLeod and Chant, 1952: 343-345, B.C.; McLeod, 1951: 28, 30-32, B.C. (as *Bigonichaeta*);

Spencer, 1947: 8-9, B.C. (as *Digonochaeta*); Baird, 1942: 115, 126, 133, Ont. (as *Bigonichaeta*); Baird, 1941a: 97, 114, 123, B.C., Ont.; Smith, R. W., 1941: 29-32, B.C.; Baird, 1940: 99-100, 114, 121, B.C. (as *Digonochaeta*); Eddy, 1940: 60-62, Wash. (ex European earwig); Gardiner, 1940: 23, Ont. (as *Digonochaeta* ex European earwig, lab.); Knowlton, 1940: 204, Utah (incomplete rearing — pupa); Whitcomb, 1940: 65, Wash. (as *Bigonichaeta* ex European earwig); [Gardiner], 1939: 16, B.C. (as *Digonichaeta* ex [European] earwig, lab.); Baird, 1938: 88, 127, 140, U.S. (as *Digonochaeta*); Downes, 1938: 73, B.C. (as *Digonichaeta* ex European earwig); Gardiner, 1938: 101-102, B.C. (as *Digonichaeta* ex [European] earwig); Getzendaner, 1937: 9-12, Wash. (as *Digonichaeta*); Getzendaner, 1936: 1105-1114, Wash. (ex European earwig, lab.); Sweetman, 1936: 119-120, 233, 238, 311, N. Amer. (as *Digonichaeta*); Twinn, 1936: 85, B.C. (as *Digonochaeta*); Downes, 1935: 181, B.C. (as *Digonochaeta* ex [European] earwig); Dimick and Mote, 1934: 863-865, Oreg. (as *Digonichaeta* ex European earwig, lab.); Mote, 1933: 259, Oreg. (as *Digonichaeta*); Dimick, 1931: 962-964, Oreg. (as *Digonichaeta* ex European earwig, lab.); Mote, 1931: 948-956, Oreg. (as *Digonichaeta*); Mote, 1931a: 230, Oreg. (as *Digonichaeta*); Mote, Stearns and Dimick, 1931: 957-961, Oreg. (as *Digonichaeta* ex European earwig); Atwell, 1927: 101-102, Oreg. (as *Digonochaeta* [sp.], lab.); Jardine, 1926: 105, Oreg. (as *Digonochaeta* ex European earwig, lab.).

STAGE PARASITIZED: Adult.

BIOLOGY: Anon., 1958: (126); Clausen, 1956: (5, 71, 85-86); Smith, R. W., 1941: (29-32); Sweetman, 1936: (119-120, 233, 238, 311); Mote, Stearns and Dimick, 1931: (957-961); Atwell, 1927: (101-102).

Biomyia eleodivora, see *Sitophaga eleodivora*

Biomyia georgiae, see *Sitophaga georgiae*

Biomyia georgiae probably, see *Sitophaga georgiae* probably

Biomyia lachnosternae, see *Sitophaga georgiae*

Blepharidea hirsuta, see *Phryxe vulgaris* or *Phryxe pecosensis* probably

Blepharigena "cinera," see *Athrycia cinerea*

Blepharigena "cineria," see *Athrycia cinerea*

Blepharigena spinosula, see *Athrycia cinerea*

Blepharipa Rondani (Goniinae: Sturmiini)

Blepharipa schineri (Mesnil)

HOST: LEPIDOPTERA

Lymantriidae

Porthetria dispar (Linnaeus)Thompson, 1910: 284 (as *Crossocosmia sericariae* (Rondani) ex "gipsy" moth, lab.).

BIOLOGY: Thompson, 1910: (284)

Blepharipa scutellata (Robineau-Desvoidy)Most records as *Sturmia scutellata*.

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma americanum (Fabricius)

Bess, 1936: 605.

Malacosoma disstria Hübner

Bess, 1936: 605; Schaffner, 1934: 588; Schaffner and Griswold, 1934: 89, 118.

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)Burgess, 1924: 34, Mass. (as *Blepharipa*).*Porthetria dispar* (Linnaeus)

Dowden, 1962: 32-33, 50-51, New England (as *Blepharipoda*); Nichols, 1962: 20, Pa.; Dowden, 1961: 875, Mass.; Clausen, 1956: 6-7, 63, 86-87 (as *Blepharipoda*); Anon., 1955a: 5, N.H. (ex gypsy moth); Anon., 1955b: 13, 15, 17, N.H. (ex gypsy moth); Anon., 1954g: 309, E. U.S. (ex *Lymantria*); Anon., 1951: 1, 4, Mass. (ex gypsy moth); Anon., 1950a: 2, Mass. (ex gypsy moth); Franklin, 1950: 57, 62, fig. 8B; Friend, 1945: 621, Conn.; Brown and Sheals, 1944: 400; Sweetman, 1936: 120-121, 221, 232-233, fig. 35, E. N. Amer.; Britton, 1935: 637, Conn.; Collins, 1935: 38, Mass. (ex gypsy moth); Dowden, 1935: 495, 509, 511, 521, Maine, Mass., N.H.; Collins, 1934: 31, Mass., New England (ex gypsy moth); Proper, 1934: 372, New England (ex gypsy moth); Schaffner, 1934: 588, New England, N.J., Pa.; Britton and Ashworth, 1933: 407, Conn. (ex "gipsy" moth); Collins, 1933: 27, Mass. (ex gypsy moth); Collins and Jones, 1932: 237 (ex "gipsy" moth); Webber, 1932:

205-206; Anon., 1931a: 775, N.Y. (ex "gipsy" moth, incomplete rearing — pupa); Anon., 1931c: 124, N.Y. (incomplete rearing — pupa); Burgess, 1930: 15-16, Mass.; Burgess and Crossman, 1929: 63-65, 67-76, 142, Conn., Mass., N.H., Vt.; Crowell, 1929: 220-227, figs. 1-4, N.H. (as *Blepharipa*); Burgess, 1924: 34, Mass. (as *Blepharipa*); Britton and Ashworth, 1923: 316, Conn. (as *Blepharipa* ex "gipsy" moth); Lochhead, 1919: 200, 406 (as *Blepharipa*); Howard, 1918: 45-46, Mass. (as *Blepharipa* ex gipsy moth); Pouillaude, 1913: 82, Mass. (as *Blepharipa* ex "*Porthesia*"); Howard and Fiske, 1911: 213-218, 308, figs. 36-40, pl. 18 (as *Blepharipa*); Thompson, 1910: 284, 289 (as *Blepharipa* ex "gipsy" moth).

Stilpnotia salicis (Linnaeus)

Burgess and Crossman, 1927: 16, New England.

Noctuidae

Catocala sp.

Schaffner, 1934: 588.

Lithophane sp.

Schaffner, 1934: 588 (ex *Graptolitha*).

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

Schaffner and Griswold, 1934: 48, 118 (ex *Graptolitha* spp. (including *G. disposita*, *G. innominata* and/or *G. petulca*)).

Unidentified Catocalinae

Schaffner and Griswold, 1934: 67, 118-119.

Unidentified Noctuidae

Schaffner, 1934: 588; Schaffner and Griswold, 1934: 72, 118.

Notodontidae

Datana integerrima Grote and Robinson

Schaffner, 1934: 588; Schaffner and Griswold, 1934: 76, 118.

Symmerista albifrons (J. E. Smith)

Schaffner, 1934: 588; Schaffner and Griswold, 1934: 78, 118.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Franklin, 1950: (descr., fig. 8B); Sweetman, 1936: (fig. 35); Howard and Fiske, 1911: (figs. 36-37).

First instar larva — Howard and Fiske, 1911: (descr., fig. 38).

Second instar larva — Howard and Fiske, 1911: (descr., figs. 39-40).

Third instar larva — Crowell, 1929: (descr., figs. 1-4); Howard and Fiske, 1911: (pl. 18).

Pupa — Howard and Fiske, 1911: (pl. 18).

BIOLOGY: Dowden, 1962: (32-33, 50-51); Clausen, 1956: (6-7, 63, 86-87); Franklin, 1950: (57, 62); Sweetman, 1936: (120-121, 221, 232-233); Dowden, 1935: (495, 509, 511, 521); Schaffner, 1934: (588); Schaffner and Griswold, 1934: (118); Collins and Jones, 1932: (237); Webber, 1932: (205-206); Burgess and Crossman, 1929: (63-65, 67-76, 142); Howard and Fiske, 1911: (213-218, 308); Thompson, 1910: (284, 289).

Blepharipa sp.

HOST: LEPIDOPTERA

Lymantriidae

Porthetria dispar (Linnaeus)

Howard, 1913: 72 (ex gypsy moth).

Blepharipeza adusta, see *Leschenaultia adusta*

Blepharipeza exul, see *Leschenaultia exul*

Blepharipeza fulvipes, see *Leschenaultia fulvipes*

Blepharipeza leucophrys, see *Leschenaultia leucophrys*

Blepharipeza sp., see *Leschenaultia* spp.

Blepharipoda scutellata, see *Blepharipa scutellata*

"*Blepharopeza*" *adusta*, see *Leschenaultia adusta*

Blondelia Robineau-Desvoidy (Goniinae: Blondeliini)

Blondelia armigera, see *Eucelatoria armigera*

Blondelia eufitchiae (Townsend)

Most records as *Phrynolydella eufitchiae*.

HOST: LEPIDOPTERA

Arctiidae

Halisidota tessellaris (J. E. Smith)

Tothill, 1913: 72, Ont. (as *Masicera*).

Hyphantria cunea (Drury)

Essig, 1926: 583, Calif. (as *Masicera*); Johnson, 1910: 781, N.J. (as *Masicera*).

Hyphantria textor (Harris)

Raizenne, 1952: 29, Ont.; *Brauer and Bergenstamm, 1895: 560, 594, N. Amer. (as *Masicera* "eufitchii," Townsend, 1893); Townsend, 1893: 467, Ill. (as *Masicera*).

Geometridae

Alsophila pometaria (Harris)

Raizenne, 1952: 108, Ont.; Schaffner and Griswold, 1934: 90, 120 (as *Anetia*).

Caripeta angustiorata Walker

Raizenne, 1952: 154, Que.

Ennomos subsignarius (Hübner)

Raizenne, 1952: 151, Ont.

Eupithecia gibsonata Taylor

Raizenne, 1952: 114, Ont.

Itame flavicaria (Packard)

Essig, 1926: 583, Colo. (as *Masicera*).

Itame quadrilinearia (Packard)

Essig, 1926: 583, Colo. (as *Masicera*).

Itame ribearia (Fitch)

Most records ex *Eufitchia ribearia*.

Essig, 1926: 583 (as *Masicera* ex *Itame*); Johnson, 1910: 781, N.J. (as *Masicera*); *Brauer and Bergenstamm, 1895: 560, 592, N. Amer. (as *Masicera* "eufitchii," Townsend, 1892a); Townsend, 1892a: 286-287, Colo. (as *Masicera*).

Lambdina fiscellaria (Guenée)

Schaffner and Griswold, 1934: 99, 120 (as *Anetia* ex *Ellopia*).

Lambdina fiscellaria fiscellaria (Guenée)

Carroll, 1956: 594, Nfld. (as *Anetia*); Raizenne, 1952: 156, Ont.

Nepytia canosaria (Walker)

Raizenne, 1952: 152, Ont.

Semiothisa bisignata (Walker)

Raizenne, 1952: 122, Ont., Que.

Semiothisa granitata Guenée complex

Raizenne, 1952: 124, Ont.

Semiothisa minorata (Packard)

Raizenne, 1952: 121, Que.

Semiothisa orillata (Walker)

Raizenne, 1952: 129, Ont.

Semiothisa oweni (Swett)

Raizenne, 1952: 126, Que.

Semiothisa sexmaculata (Packard)

Raizenne, 1952: 127, Ont.

Thera juniperata (Linnaeus)

Raizenne, 1952: 117, Ont. (ex *T. procteri* Brower).

Noctuidae

Hypena humuli (Harris)

Hawley, 1918: 196, N.Y. (as *Masicera*).

Olethreutidae

Spilonota ocellana (Denis and Schiffermüller)

Stultz, 1955: 80, N.S.

Tortricidae

Acleris minuta (Robinson)

Webster, 1898: 19, Ohio (as *Masicera* ex *Teras minuta* var. *cinderella* Riley).

Sparganothis distincta (Walsingham)

Webster, 1898: 19, Ohio (as *Masicera* ex *Oenectra*).

Unidentified Tortricidae

Caesar, 1916a: 172-173, unnumbered fig. on p. 172, Ont. (as *Masicera* ex *Tortrix* spp.).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 69 on pl. 15);

Caesar, 1916a: (unnumbered fig. on p. 172).

BIOLOGY: Schaffner and Griswold, 1934: (120).

Blondelia hyphantriae (Tothill)

Most records as *Anetia hyphantriae*.

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Schaffner and Griswold, 1934: 36, 120.

Halisidota harrisii Walsh

Raizenne, 1952: 25, Ont. (as *Phrynolydella*); Schaffner and Griswold, 1934: 34-35, 120.

Halisidota tessellaris (J. E. Smith)

Raizenne, 1952: 24, Ont. (as *Phrynolydella*); Schaffner and Griswold, 1934: 34, 120.

Hyphantria cunea (Drury)

Schaffner and Griswold, 1934: 37, 120; Tothill, 1922: 29-31, 43-48, 107, figs. 9-15, B.C. (as *Lydella*).

Hyphantria textor (Harris)

Raizenne, 1952: 29, Ont. (as *Phrynolydella*).

Noctuidae

Bomolocha abalienalis (Walker)

Raizenne, 1952: 75, Ont. (as *Phrynolydella*).

Bomolocha deceptalis (Walker)

Raizenne, 1952: 76, Ont. (as *Phrynolydella*).

Ceramica picta (Harris)

Schaffner and Griswold, 1934: 47, 120.

Lithophane antennata (Walker)

Schaffner and Griswold, 1934: 49, 120 (ex *Graptolitha*).

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

Schaffner and Griswold, 1934: 48, 120 (ex *Graptolitha* spp. (including *G. disposita*, *G. innominata* and/or *G. petulca*)).

Notodontidae

Heterocampa guttivitta (Walker)

Raizenne, 1952: 88, Ont. (as *Phrynolydella*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: First instar larva — Tothill, 1922: (descr., figs. 9-12).

Second instar larva — Tothill, 1922: (descr., figs. 13-15).

BIOLOGY: Schaffner and Griswold, 1934: (120); Tothill, 1922: (29-31, 43-48, 107).

Blondelia polita (Townsend)

All records as *Sturmia strigata* Wulp.

HOST: LEPIDOPTERA

Pyralidae

Loxostege mancalis (Lederer)

Fattig, 1949: 32; Brimley, 1938: 364; Brimley, 1922: 25,
N.C.

Blondelia sp. near **polita** (Townsend)

HOST: LEPIDOPTERA

Tortricidae

Archips infumatanus (Zeller)

Schaffner, 1959: 29, 54, Mass. (as *Sturmia* sp. near *strigata*
Wulp).

BIOLOGY: Schaffner, 1959: (29,54).

Blondelia spp.

HOST: LEPIDOPTERA

Geometridae

Anacamptodes clivinaria profanata (Barnes and McDunnough)

Furniss, M. M., and Barr, 1967: 9, Idaho (as *Blondelia* (sp.
n.??)).

Coryphista meadii (Packard)

Neiswander, 1941: 388, Ohio (as *Phrynolydella*).

Tortricidae

Archips spp.

*Procter, 1946: 431, Maine (Procter, 1938); Procter, 1938:
372, Maine.

STAGE PARASITIZED: Pupa.

Blondelia spp. probably

HOST: HYMENOPTERA

Diprionidae

Diprion hercyniae (Hartig)

Briand, 1949: 56-57, Que. (as *Lydella* sp. ex [European]
spruce sawfly).

HOST: LEPIDOPTERA

Geometridae

Cingilia catenaria (Cramer)

Schaffner and Griswold, 1934: 98, 120, Mass., N.H., N.Y.,
R.I. (as *Anetia* sp. (complex)).

STAGE PARASITIZED: Larva (Hymenoptera).

BIOLOGY: Schaffner and Griswold, 1934: (98, 120).

Bombyliomyia abrupta, see *Bombyliopsis abrupta*

Bombyliopsis Townsend (Tachininae: Macromyini)

Bombyliopsis abrupta (Wiedemann)

Most records as *Bombyliomyia abrupta*.

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Guppy, R., 1950: 4, B.C. (as *Bombyliopsis*); Schaffner and Griswold, 1934: 36, 125.

Euchaetias egle (Drury)

Schaffner and Griswold, 1934: 39, 125.

Halisidota caryae (Harris)

Schaffner and Griswold, 1934: 33, 125; Townsend, 1892: 88, N.Y. (as *Hystricia*, probable host).

Halisidota maculata (Harris)

Schaffner and Griswold, 1934: 33-34, 125; Hine, 1904: 87, B.C.

Halisidota tessellaris (J. E. Smith)

Schaffner and Griswold, 1934: 34, 125.

Hyphantria cunea (Drury)

Schaffner and Griswold, 1934: 37, 125.

Unidentified Arctiidae

Schaffner and Griswold, 1934: 40-41, 125.

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Schaffner and Griswold, 1934: (125).

Bonellimyia tessellata, see *Linnaemya tessellata*

"*Bonneta*" *comta*, see *Bonnetia comta*

Bonnetia Robineau-Desvoidy (Tachininae: Linnaemyini)

Bonnetia "comia," see *Bonnetia comta*

Bonnetia "compta," see *Bonnetia comta*

Bonnetia comta (Fallén)

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga sp.

Brooks, 1944: 197.

HOST: LEPIDOPTERA

Noctuidae

Agrotis gladiaria Morrison

Fattig, 1949: 9 (ex *Feltia*).

Agrotis ipsilon (Hufnagel)

All records ex *Agrotis ypsilon*.

Crumb, 1929: 40, 59 (as "*Bonnettia compta*"); Essig, 1926: 580, Calif. (as "*Bonneta*"); Johnson, 1925: 194, Conn., Maine, Mass., N.H., R.I., Vt.; Coquillett, 1897: 18, 23, Calif. (as *Linnaemyia*).

Agrotis malefida Guenée

All records ex *Feltia malefida*.

Chapman, Fife and Cavitt, 1935: 305, Tex.; Crumb, 1929: 40 (as "*Bonnettia compta*").

Agrotis orthogonia Morrison

Most records ex *Porosagrotis orthogonia*.

Thornley and Sorenson, 1940: 48, Utah (ex *Agrotis*, probable host); Seamans and McMillan, 1935: 424 (ex *Agrotis*); Cook, W. C., 1930: 31, Mont.; Cook, W. C., 1923: 327, Mont. (as *B. "compta"*); Seamans, 1923: 53, Alta.; Strickland, 1923: 29-37, figs. 16-19, Alta.; Parker, J. R., Strand and Seamans, 1921: 313, Mont. (as *B. "compta"*); Strickland, 1921: 98-99, Alta. (as "*Bonneta*").

Agrotis venerabilis Walker

Crumb, 1929: 40 (as "*Bonnettia compta*" ex *Feltia*).

Copablepharon viridisparsa Dod

Strickland, 1923: 35, 37, figs. 16-19, Alta.

Euxoa auxiliaris (Grote)

Cook, W. C., 1930: 31, Mont. (ex *Chorizagrotis*).

Euxoa messoria (Harris)

Crumb, 1929: 40, 94 (as "*Bonnettia compta*"); Essig, 1926: 580, Wash. (as "*Bonneta*"); Johnson, 1925: 194, Conn., Maine, Mass., N.H., R.I., Vt. (ex *Carneades*); Coquillett, 1897: 18, 24, Wash. (as *Linnaemyia* ex *Carneades*).

Euxoa messoria (Harris) probably

*Vide Brauer and Bergenstamm, 1895: 562, 581, N. Amer. (as *Micropalpus fulgens* (Meigen) ex *Agrotis cochrani* (Riley), Townsend, 1893); Townsend, 1893: 467, Ill. (as *Micropalpus fulgens* ex cutworms).

Euxoa ochrogaster (Guenée)

King, K.M., and Atkinson, 1928: 170, 176, Sask.

Euxoa tristicula (Morrison)

Cook, W. C., 1930: 31, Mont.; Strickland, 1923: 36, figs. 16-20, Mont.

Euxoa spp. (including *E. messoria* (Harris) and/or *E. ochrogaster* (Guenée))

*Vide pers. comm. Handford, 1970: [B.C.] (Handford, 1962); Anon., 1962: 121, B.C. (as *B. "compta"*); Handford, 1962: 19, B.C. (as *B. "compta"*).

Feltia subterranea (Fabricius)

Patton, 1958: 34, Fla. (incomplete rearing — pupa); Tissot, 1945: 64, Fla. (as *B. "comia"*); Crumb, 1929: 40, 81, Va. (as "*Bonnettia compta*" ex *F. annexa* Treitschke); Jones, T. H., 1918a: 12, La. (as *Linnaemyia* ex *F. annexa*).

Peridroma saucia (Hübner)

*Crumb, 1929: 40, 115 (as "*Bonnettia compta*" ex *Lycophotia*, Wakeland, 1920); Allen, 1926a: 283-286, fig. 1, Miss. (as *Linnaemyia* ex "varigated" cutworms); Essig, 1926: 580, Colo. (as "*Bonneta*" ex *Lycophotia margaritosa* (Haworth)); Wakeland, 1920: 18, Colo. (as *Linnaemyia*).

Polia acutermis (Smith)

Strickland, 1923: 33, 37, Alta.

Spodoptera frugiperda (J. E. Smith)

Aldrich, 1915: 83 (as *Linnaemyia* ex *Laphygma*).

Armyworm(-s)

Allen, 1926a: 283-286, fig. 1, Miss. (as *Linnaemyia*).

Cutworm(-s)

Strickland, 1938: 216, Alta. (as *Linnaemyia "compta"*); Knowlton and Harmston, 1937: 148, Utah; Aldrich, 1915: 83 (as *Linnaemyia*).

Unidentified Noctuidae

Schaffner and Griswold, 1934: 72, 109, Maine (as *Linnaemyia*); Knowlton and Janes, 1931: 147, Utah (as "*Bonneta*"); Essig, 1926: 580, U.S. (as "*Bonneta*").

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Crumb, 1929: (descr.); Strickland, 1923: (descr., fig. 16).

First instar larva — Allen, 1926a: (descr., fig. 1); Strickland, 1923: (descr., fig. 17).

Second instar larva — Strickland, 1923: (descr., fig. 18).

Third instar larva — Strickland, 1923: (descr., fig. 19).

Pupa — Crumb, 1929: (descr.); Strickland, 1923: (descr., figs. 19-20); Greene, 1922: (descr., fig. 70 on pl. 15).

BIOLOGY: Seamans and McMillan, 1935: (424); Schaffner and Griswold, 1934: (72, 109); Allen, 1926a: (283-286); Strickland, 1923: (29-37).

Bonnetia spp.

HOST: LEPIDOPTERA

Aegeriidae

Sylvora acerni (Clemens)

Brauer and Bergenstamm, 1895: 562, 605, N. Amer. (as
Micropalpus ex Sesia).

"*Bonnetia compta*," see *Bonnetia compta*

Bucentes ceres, see *Siphona ceres*

Bucentes geniculata, see *Siphona geniculata*

Buquetia Robineau-Desvoidy (Goniinae: Eryciini)

Buquetia musca Robineau-Desvoidy

HOST: LEPIDOPTERA

Papilionidae

Papilio machaon Linnaeus

Curran, 1927b: 149 (as *Eipogona setifacies* Rondani).

Buquetia obscura (Coquillett)

Most records as *Eupogona obscura*.

HOST: LEPIDOPTERA

Danaidae

Danaus plexippus plexippus (Linnaeus)

Schaffner and Griswold, 1934: 8, 124, Mass. (ex *D. menippe*
(Hübner)); Webber and Schaffner, 1926: 23, New
England (as *Winthemis* ex *Anosia plexippus*).

Papilionidae

Papilio polyxenes asterius Stoll

Schaffner and Griswold, 1934: 6, 124, Mass. (ex *P. ajax*
Linnaeus); Curran, 1927b: 149, Iowa (as *Eipogona*
americana Curran ex *P. "asterias"*); Aldrich, 1928b: 44,
Mass. (ex *P. polyxenes* Fabricius).

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner and Griswold, 1934: (124).

"*Caetogaedia*" *monticola*, see *Chaetogaedia monticola*

Calodexia Wulp (Dexiinae: Calodexiini)

Calodexia sp. near *agilis* Curran or *interrupta* Curran

HOST: ORTHOPTERA

Gryllidae

Eneoptera spp.

Rettenmeyer, 1961: 1027, Panama.

Calodexia dives Curran

HOST: ORTHOPTERA

Blattidae

Cockroach(-es)

Rettenmeyer, 1961: 1027-1028, Panama.

STAGE PARASITIZED: Nymph.

Calodexia fumosa (Townsend)

HOST: ORTHOPTERA

Tettigoniidae

Unidentified Tettigoniidae

Rettenmeyer, 1961: 1028-1029, Panama (unsuccessful lab.
rearing).**Calodexia interrupta** Curran

HOST: ORTHOPTERA

Gryllidae

Ponca venosa Hebard

Rettenmeyer, 1961: 1026-1027, 1049, Panama.

BIOLOGY: Rettenmeyer, 1961: (1026-1027, 1049).

Calodexia venteris Curran

HOST: ORTHOPTERA

Blattidae

Eublaberus posticus (Erickson)

Rettenmeyer, 1961: 1028, 1059, Panama (lab.).

Calodexia spp.

HOST: ORTHOPTERA

Blattidae

Epilampra azteca Saussure

Rettenmeyer, 1961: 1027, Panama.

Cockroach(-es)

Rettenmeyer, 1961: 1027, Panama; Rettenmeyer, 1961a: 15,
Panama.

Gryllidae

Cricket(-s)

Rettenmeyer, 1961a: 15, Panama.

BIOLOGY: Rettenmeyer, 1961a: (15).

Cane borer parasite, see *Lixophaga sphenophori*

Cane borer tachinid, see *Lixophaga sphenophori*

Carcelia Robineau-Desvoidy (Goniinae: Carceliini)

Carcelia amplexa (Coquillett)

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria eridanus (Cramer)

*Sellers, 1943: 65 (Wolcott, 1924); Wolcott, 1924: 222, P.R.
(as *Exorista*).

Ecpantheria icasia (Cramer)

Wolcott, 1951a: 479, P.R.; Martorell, 1945a: 503, P.R.

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

Howard and Fiske, 1911: 93 (as *Exorista griseomicans* Wulp).

Hemerocampa leucostigma (J. E. Smith)

Raizenne, 1952: 95, Ont.; Sellers, 1943: 65; Dowden, 1935: 509 (as *Zenillia*); Schaffner and Griswold, 1934: 85, 111 (as *Zenillia*); Webber and Schaffner, 1926: 12-13, Mass., New England, N.Y., Pa. (as *Zenillia*); Britton, 1917: 110 (as *Exorista griseomicans*); Johnson, 1910: 780, N.J. (as *Exorista griseomicans* ex *Orgyia*); Townsend, 1909: 248, D.C., Mass. (as *Sisyropa hemerocampae* Townsend); Howard, 1898: 88, D.C. (as *Exorista griseomicans* ex *Orgyia*); Coquillett, 1897: 14, 26, D.C. (as *Exorista griseomicans* ex *Orgyia*); Howard, 1897a: 16, D.C. (as *Exorista griseomicans* ex *Orgyia*); Howard, 1897b: 7, 44, 49, D.C. (as *Exorista griseomicans* ex *Orgyia*).

Orgyia antiqua (Linnaeus)

All records ex *Notolophus antiqua*.

Sellers, 1943: 65; Schaffner and Griswold, 1934: 84, 111 (as *Zenillia*).

Porthetria dispar (Linnaeus)

Sellers, 1943: 65.

Tussock moth(-s)

Thompson, 1910: 291 (as *Exorista*).

Megalopygidae

Megalopyge costaricensis Schaus

Ballou, 1936: 142, Costa Rica (as *Zenillia griseomicans*);

Ballou, 1936a: 48, Costa Rica (as *Zenillia griseomicans*).

Megalopyge crispata (Packard)

Brimley, 1922: 22, N.C. (as *Exorista griseomicans* ex *Lagoa*).

Megalopyge opercularis (J. E. Smith)

Patton, 1958: 34, Fla.; Fattig, 1949: 10, Ga.; Brimley, 1938: 362, N.C. (as *Zenillia*); Allen, 1929: 686, Miss. (as *Zenillia*).

Noctuidae

Plathypena scabra (Fabricius)

*Sellers, 1943: 65 (Hill, 1925); Hill, 1925: 17, Md. (as *Exorista*).

Spodoptera frugiperda (J.E.Smith)

Brimley, 1922: 22, N.C. (as *Exorista griseomicans* ex fall army worm).

Sphingidae

Manduca sexta jamaicensis (Butler)

Gilmore, 1938: 711, Ky. and/or Tenn. (as *Zenillia* ex *Protoparce sexta* (Johanssen)).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 61 on pl. 13 and fig. 84 on pl. 18).

BIOLOGY: Sellers, 1943: (65); Dowden, 1935: (509); Schaffner and Griswold, 1934: (111); Thompson, 1910: (291).

Carcelia diacrisiae Sellers

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Vide Sellers, 1943: 63, N.J. (Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 36, 113-114 (as *Zenillia* n. sp. (4)).

Estigmene acrea (Drury)

Patton, 1958: 34, Fla.; vide Sellers, 1943: 63 (ex *E. acrea*, Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 38, 113-114 (as *Zenillia* n. sp. (4)).

STAGE PARASITIZED: Larva.

BIOLOGY: Sellers, 1943: (63).

Carcelia flavirostris, see *Carcelia lagoae*

Carcelia formosa (Aldrich and Webber)

Most records as *Zenillia formosa*.

HOST: LEPIDOPTERA

Noctuidae

Acronicta hamamelis Guenée

*Vide Sellers, 1943: 44 (as *Carcelia*, Coquillett, 1897); Coquillett, 1897: 13, 23, Va. (as *Exorista eudryae* Townsend).

Agrotis ipsilon (Hufnagel)

All records ex *Agrotis ypsilon*.

Vide Sellers, 1943: 44, Mo. (as *Carcelia*, Coquillett, 1897); *Crumb, 1929: 40, 59 (Aldrich and Webber, 1924); Johnson, 1925: 196, Conn., Mass.; Aldrich and Webber, 1924: 24, Mo.; Coquillett, 1897: 13, 23 (as *Exorista eudryae*).

Lithophane spp. (including *L. disposita* Morrison and/or *L. innominata* (Smith))

Sellers, 1943: 44 (as *Carcelia* ex *Graptolitha* (including *G. disposita* and/or *G. innominata*)).

Saturniidae

Automeris io (Fabricius)

Patton, 1958: 34, Fla. (as *Carcelia*); Hammond, 1949a: 236, Ont. (as "*Cercelia*"); Sellers, 1943: 44, Mass. (as *Carcelia*); Schaffner and Griswold, 1934: 28, 112, Conn., Mass., N.J., N.Y., Pa., R.I.; Johnson, 1925: 196, Conn., Mass.; Aldrich and Webber, 1924: 24, Mass., Md.

STAGE PARASITIZED: Larva.

BIOLOGY: Sellers, 1943: (44); Schaffner and Griswold, 1934: (28, 112).

Carcelia illota (Curran)

HOST: LEPIDOPTERA

Noctuidae

Heliothis virescens (Fabricius)

Bryan, D. E., Jackson and Stoner, 1969: 1, 8, 12, Ariz. (lab.).

Heliothis zea (Boddie)

Bryan, D. E., Jackson and Stoner, 1969: 1, 8, 12, Ariz. (lab.).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Bryan, D. E., Jackson and Stoner, 1969: (1, 8, 12).

Carcelia lagoae (Townsend)

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria icasia (Cramer)

Wolcott, 1951a: 479, P.R. (as *C. flavirostris* (Wulp)).

Halisidota spp.

All records ex red "*Halesidota*."

Johnson, 1919: 437, Jamaica; Townsend, 1893c: 314,
Jamaica (as *Exorista*).

Megalopygidae

Lagoa sp.

Sellers, 1943: 59.

Megalopyge crispata (Packard)

Brimley, 1922: 22, N.C. (as *Exorista flavirostris* ex *Lagoa*).

Megalopyge krugii (Dewitz)

Sellers, 1943: 61 (as *C. flavirostris*).

Megalopyge opercularis (J. E. Smith)

Patton, 1958: 34, Fla.; Patton, 1958: 34, Fla. (as *C. flavirostris*); Micks, 1956: 38-39, fig. 3, Tex.; Sellers, 1943: 59; Bishopp, 1923: 13, Tex. (as *Exorista flavirostris*); Reinhard, 1922: 72, Tex. (as *Exorista flavirostris*); Coquillett, 1897: 14, 25, Fla., Miss., Tex., Va. (as *Exorista flavirostris* ex *Lagoa*); *Brauer and Bergenstamm, 1895: 574, 595, N. Mex. (as *Sisyropa* ex *Lagoa*, Townsend, 1891d); Townsend, 1891d: 159, Mexico (as *Exorista* ex *Lagoa*).

Megalopyge opercularis (J. E. Smith) probably

Sellers, 1943: 59.

Pyralidae

Eulepte concordalis Hübner probably

*Vide Wolcott, 1951a: 479, P.R. (as *C. flavirostris* ex presumably *Mesocondyla*, Sellers, 1943); Martorell, 1945a: 515, P.R. (as *C. flavirostris*); Sellers, 1943: 61 (as *C. flavirostris* ex larva on calabash tree).

Omphalocera cariosa Lederer

Coquillett, 1897: 14, 26 (as *Exorista flavirostris*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Micks, 1956: (fig. 3).

BIOLOGY: Sellers, 1943: (60); Bishopp, 1923: (13).

Carcelia laxiformis Villeneuve

HOST: LEPIDOPTERA

Arctiidae

Apantesis proxima (Guérin-Méneville)

Coquillett, 1897: 13, 24, Calif. (as *Exorista cheloniae*
Rondani ex *Arctia docta* (Walker)).

Unidentified Arctiidae

Ingles, 1929: 60, Calif. (as *Exorista cheloniae*).

Lasiocampidae

Malacosoma americanum (Fabricius)

Sellers, 1943: 55-56; Howard and Fiske, 1911: 299 (as
Parexorista cheloniae).

Malacosoma disstria Hübner

Sellers, 1943: 55-56; Tothill, 1913: 70, N.B., Ont. (as
Exorista cheloniae); Howard and Fiske, 1911: 299 (as
Parexorista cheloniae).

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

Burgess, 1924: 34, Mass. (as *Parexorista cheloniae*); Howard
and Fiske, 1911: 297-300, 310, fig. 4 on pl. 20, probably
Mass. (as *Parexorista cheloniae*).

Nygmia phaeorrhoea (Donovan)

Dowden, 1962: 29, 52, New England; Clausen, 1956: 6, 64,
89; Sellers, 1943: 55-56; Dowden, 1935: 509; Proper,
1934: 373-374, New England (ex brown-tail moth);
Collins and Jones, 1932: 237 (ex brown-tail moth);
Burgess and Crossman, 1929: 134-138, 142, Maine,
Mass., N.H.

Porthetria dispar (Linnaeus)

Sellers, 1943: 55; Burgess, 1924: 34, Mass. (as *Parexorista*
cheloniae).

Notodontidae

Schizura concinna (J. E. Smith)

Hitchings, 1908: 11, Maine (as *Exorista* "chelonia" ex red-humped caterpillars).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Howard and Fiske, 1911: (fig. 4 on pl. 20).

BIOLOGY: Dowden, 1962: (29, 52); Clausen, 1956: (6, 64, 89); Sellers, 1943: (55-56); Dowden, 1935: (509); Proper, 1934: (373-374); Burgess and Crossman, 1929: (134-138, 142); Howard and Fiske, 1911: (297-300, 310).

Carcelia leucanae, see *Winthemia leucanae*

Carcelia "leucaniae," see *Winthemia leucanae*

Carcelia malacosomae Sellers

HOST: HYMENOPTERA

Tenthredinidae

Unidentified Tenthredinidae

Sellers, 1943: 52.

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Sellers, 1943: 52.

Turuptiana permaculata (Packard)

Sellers, 1943: 52.

Lasiocampidae

Malacosoma americanum (Fabricius)

Sellers, 1943: 52-53.

Malacosoma disstria Hübner

Sippell, 1961: 435-436, fig. 8, Ont.; Cumming, 1954: 183, Alta.; Raizenne, 1952: 103, Ont.; Sellers, 1943: 52-53.

Malacosoma spp.

Ross, 1953: 19, 21, fig. 4, B.C.

Notodontidae

Datana integerrima Grote and Robinson

*Vide Sellers, 1943: 52 (Schaffner and Griswold, 1934);
Schaffner and Griswold, 1934: 76, 112 (as *Zenillia*
protuberans Aldrich and Webber).

Saturniidae

Hemileuca spp. (including *H. lucina* H. Edwards and/or *H. maia*
(Drury))

Sellers, 1943: 52.

IMMATURES: Pupa — Sippell, 1961: (descr., fig. 8); Ross,
1953: (descr., fig. 4).

BIOLOGY: Sellers, 1943: (54).

Carcelia malacosomae Sellers probably

Most records as *Zenillia cheloniae* (Rondani).

HOST: LEPIDOPTERA

Arctiidae

Apantesis ornata (Packard)

*Vide Sellers, 1943: 52 (as *Carcelia malacosomae* probably
ex *Callarctia*, Tothill, 1913); Essig, 1926: 581, B.C.;
Tothill, 1913: 70, B.C. (as *Exorista* ex *A. ornata* var.
achaia (Grote and Robinson)).

Apantesis proxima (Guérin-Méneville)

Sellers, 1943: 52 (as *Carcelia malacosomae* probably ex
Callarctia).

Arachnis picta Packard

*Vide Sellers, 1943: 52 (as *Carcelia malacosomae* probably,
Coquillett, 1897); Essig, 1926: 581, Calif.; Coquillett,
1897: 13, 24, Calif. (as *Exorista*).

Turuptiana permaculata (Packard)

Essig, 1926: 581, Colo.; Aldrich and Webber, 1924: 32, Colo.

Lasiocampidae

Malacosoma americanum (Fabricius)

Burgess and Crossman, 1929: 136; Essig, 1926: 581, Ariz.,
Utah; Aldrich and Webber, 1924: 10, 32, probably Mass.

Malacosoma disstria Hübner

Burgess and Crossman, 1929: 136.

American tent caterpillar(-s)

Johnson, 1925: 197, Conn., Mass., N.H.

Tortricidae

Archips argyrospilus (Walker)

*Vide Sellers, 1943: 52 (Gill, 1913); Aldrich and Webber, 1924: 32, Colo. (ex *Cacoecia*); Gill, 1913: 102, Colo. or N. Mex. (as *E[xorista]*).

STAGE PARASITIZED: Larva, pupa.

Carcelia "nigropalpus," see *Aplomya caesar* probably

"*Carcelia ochracea* Wulp"

HOST: LEPIDOPTERA

Pyralidae

Ostrinia nubilalis (Hübner)

Bradley, W.G., and Clark, 1941: 792, E. U.S. (ex European corn borer).

STAGE PARASITIZED: Larva.

Carcelia olenensis Sellers

HOST: LEPIDOPTERA

Lymantriidae

Dasychira atomeria Walker

All records ex *Olene* "atomaria."

Vide Sellers, 1943: 68-69, Mass. (Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 86, 113 (as *Zenillia* n. sp. (2)).

Dasychira plagiata (Walker)

Raizenne, 1952: 99, Que. (ex *Olene*).

BIOLOGY: Sellers, 1943: (68-69).

Carcelia perplexa Sellers

HOST: LEPIDOPTERA

Lymantriidae

Dasychira plagiata (Walker)

Vide Sellers, 1943: 67 (ex *Olene*, Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 87, 113 (as *Zenillia* n. sp. (2) ex *Olene pini* (Dyar)).

Hemerocampa leucostigma (J. E. Smith)

Sellers, 1943: 67.

BIOLOGY: Sellers, 1943: (67).

Carcelia protuberans (Aldrich and Webber)

Most records as *Zenillia protuberans*.

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Schaffner and Griswold, 1934: 37, 112.

Lasiocampidae

Malacosoma americanum (Fabricius)

Schaffner and Griswold, 1934: 88, 112.

Malacosoma disstria Hübner

Sellers, 1943: 54 (as *Carcelia*); Bess, 1936: 605; Schaffner and Griswold, 1934: 89, 112; Johnson, 1925: 196, Vt.; Aldrich and Webber, 1924: 15, Vt.

BIOLOGY: Schaffner and Griswold, 1934: (112).

Carcelia pyste, see *Nemorilla pyste*

Carcelia reclinata (Aldrich and Webber)

Most records as *Zenillia reclinata*.

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Sellers, 1943: 49 (as *Carcelia*); Walker, 1936: 19, Kans. (as *Z. "rectinata"*); Schaffner and Griswold, 1934: 36, 112-113.

Ecpantheria deflorata (Fabricius)

Patton, 1958: 34-35, Fla. (as *Carcelia*).

Estigmene acrea (Drury)

Patton, 1958: 34-35, Fla. (as *Carcelia*); Fattig, 1949: 10 (as *Carcelia*); Sellers, 1943: 49-50 (as *Carcelia* ex *E. acraea*); Schaffner and Griswold, 1934: 38, 112-113; Essig, 1926: 581, Ariz., N. Mex. (ex *E. acraea*); Aldrich and Webber, 1924: 33, New England (ex *E. acraea*).

Phragmatobia assimilans Walker

All records ex *Phragmatobia assimilans* var. *franconia* Slosson.

Sellers, 1943: 49-50, Ont. (as *Carcelia*); Aldrich and Webber, 1924: 33, Ont. (ex *P. assimilans* var. "*franconia*").

Unidentified Arctiidae

Sellers, 1943: 49-50 (as *Carcelia*); Schaffner and Griswold, 1934: 40-41, 112-113.

Unidentified Lepidoptera

Miscellaneous

Knowlton and Harmston, 1937: 149, Utah; Essig, 1926: 581, E. U.S.

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Patton, 1958: (34-35); Sellers, 1943: (50); Schaffner and Griswold, 1934: (112).

Carcelia reclinata (Aldrich and Webber) probably

HOST: LEPIDOPTERA

Arctiidae

Estigmene acrea (Drury)

*Vide Sellers, 1943: 101, N.C. (Brimley, 1922); Brimley, 1922: 22, N.C. (as *Exorista eudryae* Townsend).

Phragmatobia assimilans Walker

Most records ex *Phragmatobia assimilans* var. *franconia* Slosson.

*Vide Sellers, 1943: 52 (ex *P. assimilans*, Gibson, 1911; Gibson, 1911a); Gibson, 1911: 127, Ont. (as *Exorista cheloniae* Rondani); Gibson, 1911a: 117, Ont. (as *Exorista cheloniae*).

STAGE PARASITIZED: Larva, pupa.

Carcelia yalensis Sellers

HOST: LEPIDOPTERA

Arctiidae

Halisidota tessellaris (J. E. Smith)

Sellers, 1943: 70.

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Vide Sellers, 1943: 70 (in part Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 85, 113 (as *Zenillia* n. sp. (2)).

Orgyia antiqua (Linnaeus)

All records ex *Notolophus antiqua*.

Raizenne, 1952: 93, Ont.; vide Sellers, 1943: 70 (in part Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 84, 113 (as *Zenillia* n. sp. (2)).

Unidentified Lepidoptera

Miscellaneous

Sellers, 1943: 70 (ex cocoon of caterpillar on *Abies concolor* (Gordon and Glendinning) Lindley).

Carcelia spp.

Most records as *Chaetolyga* sp.

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria icasia (Cramer)

Harrison and Stephens, 1966: 673-674, Costa Rica (as *Carcelia*).

Unidentified Arctiidae

Brauer and Bergenstamm, 1895: 568, 583, N. Amer. (as *Parexorista*).

Limacodidae

Adoneta spinuloides Herrich-Schaeffer

Brauer and Bergenstamm, 1895: 547, 581, N. Amer.

Phobetron pithecium (J. E. Smith)

Patton, 1958: 35, Fla. (as *Carcelia* ex hag-moth).

Lymantriidae

Dasychira plagiata (Walker)

Walgenbach and Benjamin, 1963: 15, Wis. (as *Carcelia*).

Noctuidae

Alypia octomaculata (Fabricius)

Brauer and Bergenstamm, 1895: 547, 582.

Peridroma saucia (Hübner)

Brauer and Bergenstamm, 1895: 547, 581 (ex *Agrotis inermis* (Harris)).

Pseudaletia unipuncta (Haworth)

Brauer and Bergenstamm, 1895: 547, 596 (ex *Leucania*).

Notodontidae

Datana integerrima Grote and Robinson

Brauer and Bergenstamm, 1895: 547, 590 (ex *D. ministra* (Drury) schwarze Var. auf Wallnüssen).

Olethreutidae

Melissopus latiferreanus (Walsingham)

*Vide Murtfeldt, 1894a: 322, Mo. (as small tachinid, Murtfeldt, 1892); Murtfeldt, 1892: 135, Mo. (as *Parexorista* sp.? ex acorn *Carpocapsa* [sp.]).

Pyralidae

Pantographa limata Grote and Robinson

Murtfeldt, 1894: 45, Mo. (as *Parexorista*).

Sphingidae

Manduca sexta (Linnaeus)

Alwood, 1898: 74, Va. (ex *Protoparce carolina* (Linnaeus)).

STAGE PARASITIZED: Larva, pupa.

Carinosillus Reinhard (Proseninae: Theresiini)

Carinosillus novaeangliae (West)

HOST: DIPTERA

Tabanidae

Hybomitra trispila sodalis (Williston) probably

James, H. G., 1963: 1228-1229, Ont. (as *Phorostoma*).

STAGE PARASITIZED: Larva.

BIOLOGY: James, H. G., 1963: (1228-1229).

Carinosillus tabanivorus (Hall)

HOST: DIPTERA

Tabanidae

Chrysops sp.

Hays, 1958: 552, Mich. (as *Phorostoma*).

Hybomitra epistates (Osten Sacken)

Teskey, 1969: 114-115.

Hybomitra metabola (McDunnough)

Teskey, 1969: 114-115.

Hybomitra nuda (McDunnough)

Teskey, 1969: 114-115, Ont.

Hybomitra trepida (McDunnough)

Teskey, 1969: 114-115, Ont.; Hays, 1958: 552-553, figs.

A-D, Mich. (as *Phorostoma*).

Hybomitra spp.

Hays, 1958: 552-553, figs. A-D, Mich. (as *Phorostoma*).

Tabanus fulvicallus Philip

Teskey, 1969: 114-115, Ont.

Tabanus marginalis Fabricius

Teskey, 1969: 114-115.

Tabanus reinwardtii Wiedemann

Teskey, 1969: 114-115.

Tabanus trimaculatus Palisot de Beauvois

Most records ex tabanid larva.

Greene, 1937: 217-218, fig. 27, Minn. (as *Myocera*); Hall,

1937: 207, Minn. (as *Myocera*); Philip, 1931: 68,

Minn. (as *Phorostoma* n. sp. ex *T. trimaculatus*).

Horse fly (flies)

Sabrosky and Arnaud, 1965: 989 (as *Carinosillus* sp.).

STAGE PARASITIZED: Larva.

IMMATURES: Third instar larva — Hays, 1958: (descr., figs. A-D).

Pupa — Greene, 1937: (descr., fig. 27).

BIOLOGY: Teskey, 1969: (114-115).

Carinosillus sp., see *Carinosillus tabanivorus*

Cartocometes Aldrich (Goniinae: Hyperecteinini)

Cartocometes io Aldrich

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma americanum (Fabricius)

Bess, 1936: 605; Schaffner and Griswold, 1934: 88, 107.

Malacosoma disstria Hübner

Sippell, 1961: 436, Ont.; Raizenne, 1952: 103, Ont.; Bess,

1936: 605 (as "*Cartometes*"); Schaffner and Griswold,

1934: 89, 107.

BIOLOGY: Schaffner and Griswold, 1934: (107).

"*Cartometes*" *io*, see *Cartocometes io*

Catagoniopsis Townsend (Goniinae: Eryciini)

Catagoniopsis meracanthae (Greene)

All records as *Phorocera meracanthae*.

HOST: COLEOPTERA

Tenebrionidae

Meracantha contracta (Palisot de Beauvois)

Aldrich and Webber, 1924: 69, Md.; Greene, 1921a: 127,

Md.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 3 on pl. 1).

Catagoniopsis sp. near *specularis* (Aldrich and Webber)

HOST: HYMENOPTERA

Diprionidae

Diprion polytomum (Hartig)

Reeks, 1938: 26, N.B. (as *Phorocera*).

STAGE PARASITIZED: Larva.

Catharosia Rondani (Phasiinae: Catharosiini)

Catharosia lustrans (Reinhard)

HOST: HEMIPTERA (HETEROPTERA)

Lygaeidae

Eremocoris opacus Van Duzee

Ashlock and O'Brien, 1964: 98-100, Calif.

Eremocoris sp.

Ashlock and O'Brien, 1964: 99-100, Calif. (lab.).

Thylochromus nitidulus Barber

Ashlock and O'Brien, 1964: 98-100, Calif.

STAGE PARASITIZED: Adult.

BIOLOGY: Ashlock and O'Brien, 1964: (98-100).

Celatoria Coquillett (Goniinae: Blondeliini)

Celatoria crawii, see *Celatoria diabroticae*

Celatoria "diabrotica," see *Celatoria diabroticae*

Celatoria diabroticae (Shimer)

HOST: COLEOPTERA

Chrysomelidae

Acalymma trivittata (Mannerheim)

All records ex *Diabrotica trivittata*.

Essig, 1926: 579; Craw, 1891: 27-28, fig. 31, Calif. (as *C. crawii* Coquillett).

Acalymma vittata (Fabricius)

All records ex *Diabrotica vittata*.

Fattig, 1949: 10, Ga. (as *C. "diabrotica"*); Bussart, 1937: 286, Ill.; Landis, 1935: 345, Ohio (probable parasite, incomplete rearing — pupa); Poos, 1928: 146, 148, Va.; Essig, 1926: 579; Balduf, 1925: 285, 305; Johnson, 1925: 187, Mass., N.H. (as *C. "diabrotica"*); Chittenden, 1923: 6; Britton, 1919: 35, Calif., Tex.;

Chittenden, 1919: 9; Lowry, Q. S., 1918: 267, Conn.; Girault, 1913: 55, Tex. (as *C. "diabrotica"*); Chittenden, 1898: 29, D.C. or Md.; Chittenden, 1898a: 79, D.C.; Coquillett, 1897: 11, 23, Md.; *Brauer and Bergenstamm, 1895: 562, 590 (as (?*Melanophora*), Riley, 1884); Riley, 1884: 77 (as *Melanophora?*); Shimer, 1871: 219 (as *Tachina* ex "*Diabrothica*").

Cerotoma trifurcata (Forster)

Fronk, 1950: 24 Va.; Eddy, C.O., and Nettles, 1930: 20, S.C.; Isely, 1930: 19, Ark.; Allen, 1929: 683, Miss.; McConnell, W.R., 1915: 264, [probably Miss.].

Diabrotica undecimpunctata Mannerheim

Essig, 1926: 579 (ex *D. duodecimpunctata* (Fabricius)); Essig, 1926: 579 (ex *D. soror* LeConte); Sweetman, 1926: 490 (as *C. "diabrotica"* ex *D. 12-punctata*); Johnson, 1925: 187, Mass., N.H. (as *C. "diabrotica"* ex *D. 12-punctata*); Currie, 1905: 46 (ex *D. duodecimpunctata*); Titus and Pratt, 1904: 78 (ex *D. "duodecempunctata"*); Chittenden, 1898: 30 (ex *D. 12-punctata*); Chittenden, 1898a: 79 (ex *D. 12-punctata*).

Diabrotica undecimpunctata howardi Barber

Most records ex *Diabrotica duodecimpunctata* (Fabricius).

Anon., 1961: 7 (ex *D. undecimpunctata howardi*); Summers and Stafford, 1953: 180, Miss. (ex *D. undecimpunctata howardi*); Fronk, 1950: 23-24, Va. (ex *D. undecimpunctata howardi*); Fattig, 1949: 10, Ga. (as *C. "diabrotica"*); Allen, 1929: 683, Miss. (ex *D. "duodecempunctata"*); Arant, 1929: 8-10, Ala.; Isely, 1929: 26, Ark.; Luginbill, 1918: 8-9; Coquillett, 1897: 10, 23, D.C. (ex *D. 12-punctata*).

Diabrotica undecimpunctata undecimpunctata Mannerheim

Most records ex *Diabrotica soror* LeConte.

Michelbacher, Middlekauff, Bacon and Swift, 1955: 13-14, fig. 13b (ex *D. undecimpunctata*); Michelbacher, MacLeod and Smith, 1943: 31, Calif. (ex *D. 11-punctata*); Rockwood and Chamberlin, 1943: 840, Calif., Oreg. (ex *D. 11-punctata*); Anon., 1931d: 459, Oreg.; Balduf, 1925: 305, Calif.; *Essig, 1915: 271, [Calif.] (as *C. "diabrotica,"* Coquillett, 1890); Sell, R. A., 1915: 518, Calif.; Essig, 1913: 229, 259, Calif.; Chittenden, 1910: 72, 75; Chittenden, 1898: 30, Calif. (as *C. crawii*); Coquillett, 1897: 10, 23, Calif.; *Brauer and Bergenstamm, 1895: 544, 590 (as "*Bessaria*"

crawii, Coquillett, 1890); Coquillett, 1895: 251, Calif. (as *C. crawii*); Craw, 1891: 27-28, fig. 31, Calif. (as *C. crawii* ex 12-spotted squash beetle); Coquillett, 1890: 234-236, Calif. (as *C. crawii*); *Koebele, 1890: 87, Calif. (as dipterous larva, Coquillett, 1890).

Diabrotica spp.

Carrillo S., Ortega C., and Gibson, 1966: 94, Mexico (V.C.); Gibson, W.W., and Carrillo S., 1959: 181, Mexico (V.C.); Sweetman, 1936: 220, N. Amer.

Trirhabda bacharidis (Weber)

Johnson, 1925a: 86, New England (as *C. "diabrotica"* ex *Galeruca "bachardis"*).

STAGE PARASITIZED: Larva, adult.

IMMATURES: Third instar larva — Arant, 1929: (descr.); Craw, 1891: (fig. 31).

Pupa — Michelbacher, Middlekauff, Bacon and Swift, 1955: (fig. 13b); Arant, 1929: (descr.); Greene, 1922: (descr., fig. 5 on pl. 1); Luginbill, 1918: (descr.); Craw, 1891: (descr., fig. 31); Coquillett, 1890: (descr.).

BIOLOGY: Michelbacher, Middlekauff, Bacon and Swift, 1955: (13-14); Michelbacher, MacLeod and Smith, 1943: (31); Sweetman, 1936: (220); Eddy, C.O., and Nettles, 1930: (20); Arant, 1929: (8-10); Luginbill, 1918: (8-9); Essig, 1913: (229, 259); Craw, 1891: (27-28); Coquillett, 1890: (234-236); Shimer, 1871: (219).

Celatoria setosa (Coquillett)

Most records as *Chaetophleps setosa*.

HOST: COLEOPTERA

Chrysomelidae

Acalymma vittata (Fabricius)

Most records ex *Diabrotica vittata*.

Gould, G. E., 1944: 11, Ind.; Gould, G. E., 1943: 61, Ind. (ex striped cucumber beetle); Bussart, 1937: 286-295, pl. 2, Ill.; Allen, 1929: 682, Miss.; Isely, 1927: 25-26, 33, Ark.; Balduf, 1925: 285-292, figs. 8-9, Ohio; Chittenden, 1923: 6; Chittenden, 1919: 9; Walton, 1914: 11-12, Md. (as *Neocelatoria ferox* Walton).

Diabrotica undecimpunctata Mannerheim

Bussart, 1937: 286-295, pl. 2, Ill. (ex *D. "duodecempunctata"* Fabricius).

Diabrotica undecimpunctata howardi Barber

Fattig, 1949: 11, Ga. (ex *D. duodecimpunctata*).

Cucumber beetle(-s)

Gould, G. E., 1936: 734, Ind.

STAGE PARASITIZED: Adult.

IMMATURES: Egg — Bussart, 1937: (descr., pl. 2); Balduf, 1925: (descr.).

First instar larva — Bussart, 1937: (descr., pl. 2); Balduf, 1925: (descr.).

Second instar larva — Bussart, 1937: (descr., pl. 2).

Third instar larva — Bussart, 1937: (descr., pl. 2); Balduf, 1925: (descr., fig. 8).

Pupa — Bussart, 1937: (descr., pl. 2); Balduf, 1925: (descr., fig. 9); Walton, 1914: (descr.).

BIOLOGY: Gould, G. E., 1944: (11); Bussart, 1937: (286-295); Isely, 1927: (25-26, 33); Balduf, 1925: (285-292).

Celatoria spinosa, see *Medina barbata*

Centeter cinerea, see *Hyperecteina aldrichi*

Centeter sp., see *Hyperecteina aldrichi*

Ceracia Rondani (Goniinae: Acemyini)

Ceracia dentata (Coquillett)

HOST: ORTHOPTERA

Acrididae

Camnula pellucida (Scudder)

Newton, 1954: 936.

Chimarocephala pacifica pacifica (Thomas)

Arnaud and Rentz, 1965: 204-206, fig. 1, Calif.

Chortophaga viridifasciata (De Geer)

Coquillett, 1897: 9, 23, Mo. (as *Acemyia*).

Chortophaga spp.

Townsend, 1912b: 164, N. Amer. (as *Acemyia*).

Melanoplus bivittatus (Say)

Newton, 1954: 936.

Melanoplus bruneri Scudder

Newton, 1954: 936.

Melanoplus confusus Scudder

Newton, 1954: 936.

Melanoplus differentialis (Thomas)

Morgan, 1901: 25, Miss. (as *Acemyia*).

Melanoplus femurrubrum (De Geer)

Smith, R. W., 1944: 29, Canada (ex *M. "f. rubrum"*).

Melanoplus packardii Scudder

Newton, 1954: 936, Mont.

Melanoplus sanguinipes (Fabricius)

Smith, 1965: 187-190, 194, 197, Ont.; Anon., 1963a: 8, Ont.; Beirne, 1962a: 19, Ont.; Smith, R. W., 1944: 29, Canada (ex *M. mexicanus* Saussure).

Melanoplus spp.

Boyes and Wilkes, 1953: 126, 142, Ont.; Townsend, 1912b: 164, N. Amer. (as *Acemyia*).

Grasshopper(-s)

Smith, R. W., and Finlayson, 1950: 98-101, figs. 26, 50, Canada; Strickland, 1946: 173, Alta.

STAGE PARASITIZED: Nymph, adult.

IMMATURES: Egg — Arnaud and Rentz, 1965: (fig. 1).

Second instar larva — Smith, R. W., and Finlayson, 1950: (descr., figs. 26, 50).

Pupa — Greene, 1922: (descr., fig. 50 on pl. 11).

BIOLOGY: Arnaud and Rentz, 1965: (204-206); Beirne, 1962a: (19); Anon., 1963a: (8); Smith, R. W., and Finlayson, 1950: (98-101).

Ceracia dentata (Coquillett) probably

HOST: ORTHOPTERA

Acrididae

Chortophaga viridifasciata (De Geer)

St. Amand and Cloyd, 1954: 83-87, figs. 1-14, Tenn.

Psoloessa delicatula (Scudder)

Newton, 1954: 936, N. Dak.

STAGE PARASITIZED: Nymph, adult.

IMMATURES: First instar larva — St. Amand and Cloyd, 1954: (descr., figs. 1-3).

Second instar larva — St. Amand and Cloyd, 1954: (descr., figs. 4-7).

Third instar larva — St. Amand and Cloyd, 1954: (descr., figs. 8-10, 14).

Pupa — St. Amand and Cloyd, 1954: (descr., figs. 11-13).

BIOLOGY: St. Amand and Cloyd, 1954: (83-87).

Ceracia spp.

HOST: ORTHOPTERA

Acrididae

Melanoplus foedus Scudder

Lavigne and Pfadt, 1966: 24, Wyo.

Melanoplus occidentalis (Thomas)

Lavigne and Pfadt, 1966: 24, Wyo.

Grasshopper(-s)

Smith, R. W., 1939: 61, Ont.

Ceratochaeta tortricis, see *Hemisturmia tortricis*

"*Cercelia*" *formosa*, see *Carcelia formosa*

Ceromasia Rondani (Goniinae: Eryciini)

Ceromasia auricaudata Townsend

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Coppel and Maw, 1954: 153, 155 (lab.); Coppel, 1947: 39, B.C.

Olethreutidae

Sciaphila duplex (Walsingham)

McGregor, 1967: 1215.

Pieridae

Pieris rapae (Linnaeus)

Coppel and Maw, 1954: 153-154 (lab.).

Pyralidae

Galleria mellonella (Linnaeus)

Coppel and Maw, 1954: 153 (lab.).

Ostrinia nubilalis (Hübner)

Coppel and Maw, 1954: 153 (ex *Pyrausta*, lab.).

Tortricidae

Archips cerasivoranus (Fitch)

Coppel and Maw, 1954: 153 (lab.).

Choristoneura fumiferana (Clemens)

Blais, 1960: 388, 391, Que. (ex spruce budworm); Coppel, 1960: 94, 97, B.C.; Carolin and Coulter, 1959: 552-554, Oreg.; Anon., 1954b: 147, B.C.; Coppel and Maw, 1954: 144-155, figs. 2-14, B.C.; Boyes and Wilkes, 1953: 126, 143, B.C.; Coppel, 1953: 191, B.C. (ex

"*Chloristoneura*"); MacNay, 1953a: 308, 313, 315-316, B.C.; Anon., 1952b: 175, 184-186, B.C.; Anon., 1952g: 285, 292, 294, B.C.; Ross, 1952: 112, fig. 15, Canada; Anon., 1950c: 233, 245, 248, B.C.; Anon., 1949: 268, 282, 285, 287-288, B.C., Ont.; Wilkes, 1949: 111-112, B.C. (ex *Archips*); Wilkes, Coppel and Mathers, 1949: 140, 146, 149, 151, 153, B.C.; Anon., 1948: 281, 293, 295, B.C.; Anon., 1948a: 350, 366, 368-371, B.C.; Annand, 1948: 206, Colo. (ex spruce budworm); Dowden, Buchanan and Carolin, 1948: 458, 462-463 (ex *Archips*); Anon., 1947: 181, 196-201, B.C.; Coppel, 1947: 39, B.C. (ex *Archips*); Baird, 1946: 135, 148, 150-151, B.C. (ex *Archips*); Wilkes, 1946: 83-86, B.C. (ex *Archips*); Baird, 1945: 122, 133, 137, B.C. (ex *Archips*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Coppel and Maw, 1954: (descr., fig. 2).

First instar larva — Coppel and Maw, 1954: (descr., figs. 3-7).

Second instar larva — Coppel and Maw, 1954: (descr., figs. 8-9).

Third instar larva — Coppel and Maw, 1954: (descr., figs. 10-11).

Pupa — Coppel and Maw, 1954: (descr., figs. 12-14); Ross, 1952: (fig. 15).

BIOLOGY: Coppel and Maw, 1954: (144-155); Coppel, 1953: (191); Coppel, 1947: (39).

Ceromasia aurifrons Townsend

Most records as *Masicera rutila* (Meigen).

HOST: LEPIDOPTERA

Geometridae

Cingilia catenaria (Cramer)

Schaffner and Griswold, 1934: 98, 119, Conn., Mass., N.H., N.Y. (as *C. "rutila"*); Aldrich, 1932: 2, N.H.; Curran, 1927a: 17, N.S. (as *Erycia* ex *C. "catanaria"*).

Noctuidae

Hypena humuli (Harris)

Hawley, 1918: 196, N.Y.

Tortricidae

Choristoneura fumiferana (Clemens)

Ross, 1952: 112, fig. 14, Canada (as *C. aurifrons*); Dowden,

Buchanan and Carolin, 1948: 458 (ex *Archips*); Tothill, 1913: 73, B.C. (ex *Tortrix*).

Unidentified Lepidoptera

Miscellaneous

Townsend, 1908: 102, Mass. (as *C. aurifrons*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Ross, 1952: (fig. 14); Greene, 1922: (descr., fig. 89 on pl. 19).

BIOLOGY: Schaffner and Griswold, 1934: (98, 119).

Ceromasia lepida, see *Lydella thompsoni*

Ceromasia rutila, see *Ceromasia aurifrons*

Ceromasia "rutilia," see *Ceromasia aurifrons*

Ceromasia senilis, see *Lydella radialis*

Ceromasia sphenophori, see *Lixophaga sphenophori*

Ceromasia sp. (1) or (2), see *Ceromasia* spp.

Ceromasia spp.

HOST: LEPIDOPTERA

Geometridae

Lycia ursaria (Walker)

Schaffner and Griswold, 1934: 95-96, 119, Conn. (as *Ceromasia* sp. (2)).

Phigalia titea (Cramer)

Schaffner and Griswold, 1934: 97, 119, Mass., N.H., N.J. (as *Ceromasia* sp. (1)).

Noctuidae

Archanara oblonga (Grote)

Walton, 1908: 298, Pa. (ex *Nonagria*).

Papaipema purpurifascia (Grote and Robinson)

Bird, H., 1914: 69 (as *Ceromasia* fly).

Tortricidae

Choristoneura fumiferana (Clemens)

Powell, 1962: 137, Calif.

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner and Griswold, 1934: (95-97, 119).

"*Ceromesia sphenophori*," see *Lixophaga sphenophori*

Chaetexorista Brauer and Bergenstamm (Goniinae: Exoristini)

Chaetexorista javana Brauer and Bergenstamm

HOST: LEPIDOPTERA

Limacodidae

Cnidocampa flavescens (Walker)

Sabrosky and Arnaud, 1965: 1053, Mass.; Dowden, 1962: 3, 8, 52-53, Mass.; Schaffner, 1959: 6, 50, Mass.; Clausen, 1956: 4, 65, 89-90, Mass.; Dowden, 1946: 225-241, Mass.; Brown, 1937: 626, Mass. (ex oriental moth); Collins, 1935: 38, Mass. (as "*Chootexorista*" ex oriental moth); Collins, 1934: 32, Mass. (ex oriental moth); Proper, 1934: 374, Mass., New England (ex oriental moth); Collins, 1933: 28, [probably Mass.] (ex oriental moth); Anon., 1930: 894, Mass.

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Dowden, 1962: (3, 8, 52-53); Schaffner, 1959: (6, 50); Clausen, 1956: (4, 65, 89-90); Dowden, 1946: (225-241).

Chaetogaedia Brauer and Bergenstamm (Goniinae: Goniini)**Chaetogaedia analis** (Wulp)

HOST: LEPIDOPTERA

Arctiidae

Unidentified Arctiidae

Schaffner and Griswold, 1934: 40-41, 125, N.H.

Geometridae

Ennomos subsignarius (Hübner)

Davis, R., 1961: 248, Ga.

Noctuidae

Lacinipolia renigera (Stephens)

Crumb, 1929: 40, 128, Va. (ex *Polia*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 62 on pl. 13).

BIOLOGY: Schaffner and Griswold, 1934: (40-41, 125).

Chaetogaedia sp. near *analis* (Wulp)

HOST: LEPIDOPTERA

Noctuidae

Heliothis spp.

Butler, 1958: 562, Ariz.

STAGE PARASITIZED: Larva.

Chaetogaedia crebra (Wulp)

HOST: LEPIDOPTERA

Noctuidae

Agrotis sp.

Coquillett, 1897: 11, 23, Calif.

Protorthodes rufula (Grote)

Essig, 1926: 584, Calif. (ex *Eriopyga*); Coquillett, 1897: 11, 27, Calif. (ex *Taeniocampa*).

Cutworm(-s)

Essig, 1926: 584, Calif.

Pieridae

Pieris occidentalis Reakirt

Essig, 1926: 584, N. Mex. (ex *Neophasia*).

STAGE PARASITIZED: Larva.

Chaetogaedia monticola (Bigot)

HOST: LEPIDOPTERA

Danaidae

Danaus plexippus plexippus (Linnaeus)

Severin, H. H. P., Severin and Hartung, 1915: 134 (ex *Anosia plexippus*, lab.).

Geometridae

Eupithecia monticolans Butler

Zimmerman, 1958: 158, Hawaii; Swezey, 1943: 279, Hawaii (ex *Eucymatoge*).

Scotorythra paludicola (Butler) probably

Swezey, 1926a: 361, Hawaii.

Scotorythra rara (Butler)

Zimmerman, 1958: 135, Hawaii; Swezey, 1912: 160, Hawaii; Swezey, 1907: 49, Hawaii.

Scotorythra trapezias Meyrick

Zimmerman, 1958: 140, Hawaii; Swezey, 1943: 280, Hawaii.

Noctuidae

Achaea janata (Linnaeus)

Zimmerman, 1958: 353, Hawaii; Bianchi, 1946: 469, Hawaii;
Van Zwaluwenburg, 1946: 14, Hawaii.

Actebia fennica (Tauscher)

Swezey, 1907: 49, Hawaii (ex black army worm).

Agrotis dislocata (Walker)

Zimmerman, 1958: 239, Hawaii; Swezey, 1907: 49, Hawaii.

Agrotis ipsilon (Hufnagel)

Zimmerman, 1958: 253, Hawaii.

Anomis hawaiiensis (Butler)

Zimmerman, 1958: 381, Hawaii; Swezey, 1907: 49, Hawaii
(ex *Cosmophila sabulifera* (Guenée)).

Anomis noctivolans (Butler)

Zimmerman, 1958: 385, Hawaii.

Autographa californica (Speyer)

Clancy, 1969: 1079, Calif.

Autoplusia egea (Guenée)

Lange, 1945: 13, Calif. (ex *Autographa*).

Carneades sp.

Coquillett, 1897: 11, 24, Hawaii.

Chrysodeixis calcites (Esper)

All records ex *Plusia* "*chalcites*."

Zimmerman, 1958: 371, Hawaii; Bianchi, 1940: 385,
Hawaii; Illingworth, 1937: 354, Hawaii; Swezey, 1936:
117, Hawaii; Severin, H. H. P., Severin and Hartung,
1915: 134 (lab.); Swezey, 1907: 49, Hawaii.

Elydna nonagrica (Walker)

Fullaway, 1914: 8, Hawaii (ex *Caradrina reculsa* Hampson).

Heliothis virescens (Fabricius)

Beardsley, 1957: 190, Hawaii

Peridroma cinctipennis cinctipennis (Butler)

Most records ex *Agrotis cinctipennis*.

Zimmerman, 1958: 279, Hawaii (ex *P. cinctipennis*
cinctipennis); Swezey, 1908: 163-164, Hawaii;
Swezey, 1908a: 7-9, Hawaii; Swezey, 1908b: 17-19,
pl. 3, Hawaii; Swezey, 1907: 49, Hawaii.

Peridroma coniotis coniotis (Hampson)

Zimmerman, 1958: 283, Hawaii; Look, 1948: 222, Hawaii
(ex *Agrotis coniotis*).

Peridroma saucia (Hübner)

Swezey, 1935a: 93, Hawaii (ex *Lycophotia margaritosa*
(Haworth)); *Crumb, 1929: 40, 115 (ex *Lycophotia*,

Wakeland, 1920); Essig, 1926: 584-585, Calif., Colo. (ex *Lycophotia margaritosa*); Wakeland, 1920: 18, Colo.; Chittenden, 1901a: 62; Coquillett, 1897: 11, 26, Calif.

Polydesma umbricola Boisduval

Kamran, 1968: 1010-1011, Hawaii; Zimmerman, 1958: 392, Hawaii; Rosa, 1946: 478, Hawaii; Van Zwaluwenburg, 1946: 16, Hawaii.

Pseudaletia macrosaris (Meyrick)

Zimmerman, 1958: 303, Hawaii; Swezey, 1907: 49, Hawaii (ex *Leucania pyrrhias* Meyrick).

Pseudaletia unipuncta (Haworth)

Zimmerman, 1958: 305, Hawaii; Severin, H. H. P., Severin and Hartung, 1915: 134, 136 (ex *Heliophila*, lab.); Swezey, 1907: 49, Hawaii (ex *Leucania*).

Spodoptera exempta (Walker)

Most records ex *Laphygma exempta*.

Zimmerman, 1958: 336, Hawaii (ex *Spodoptera*); Bess, 1951: 212, Hawaii; Bianchi, 1949a: 345, Hawaii; Pemberton, 1948b: 183-184, 200, figs. 2-3, Hawaii.

Spodoptera exigua (Hübner)

Swezey, 1935a: 93, Hawaii (as *Chaetogaedia* sp.).

Spodoptera mauritia (Boisduval)

Beardsley, 1955: 386, Hawaii; Swezey, 1907: 49, Hawaii.

Armyworm(-s) (including *Pseudaletia unipuncta* (Haworth) and/or *Spodoptera mauritia* (Boisduval))

All records ex armyworms (*Cirphis unipuncta* and/or *S. mauritia*).

Swezey, 1931c: 326, Hawaii; Swezey, 1928: 673, Hawaii.

Armyworm(-s)

Bianchi, 1940: 383, Hawaii; Bryan, 1934: 415, Hawaii; Swezey, 1931b: 427, Hawaii; Swezey, 1927a: 503, Hawaii; Swezey, 1927b: 217, Hawaii; Swezey, 1917: 432-433, figs. 9-13, Hawaii; Swezey, 1909: 26, 28-30, pl. 3, Hawaii (as "*Caetogaedia*"); Swezey, 1908: 163-164, Hawaii; Swezey, 1908b: 16-17, Hawaii.

Cutworm(-s) (including *Agrotis* spp. and/or *Leucania* spp.)

Swezey, 1908b: 16-17, Hawaii.

Cutworm(-s)

Bianchi, 1940: 383, Hawaii; Bryan, 1934: 415, Hawaii; Illingworth, 1923: 277, Hawaii; Fullaway, 1914: 8, Hawaii; Swezey, 1909: 26, 28-30, pl. 3, Hawaii (as "*Caetogaedia*"); Swezey, 1908: 163-164, Hawaii.

Unidentified Noctuidae

Swezey, 1944a: 4, Hawaii.

Nymphalidae

Vanessa cardui (Linnaeus)

Zimmerman, 1958: 457, Hawaii; Essig, 1926: 584, Calif., Oreg.; Severin, H. H. P., Severin and Hartung, 1915: 134 (lab.); Swezey, 1907: 49, Hawaii; Coquillett, 1897: 11, 27, Calif. (ex *Pyrameis*).

Vanessa tammeamea Eschscholtz

Williams, 1931: 291-292, figs. 8-13 on pl. 19, Hawaii; Swezey, 1927: 356, Hawaii.

Pieridae

Pieris rapae (Linnaeus)

Severin, H. H. P., Severin and Hartung, 1915: 134 (ex *Pontia*, lab.)

Pyralidae

Hedylepta accepta (Butler)

Swezey, 1907: 49, Hawaii (ex *Omiodes*).

Hedylepta blackburni (Butler)

Williams, 1931: 148, 291-292, figs. 8-13 on pl. 19, Hawaii (ex *Omiodes*).

Hedylepta continuatalis (Wallengren)

Swezey, 1907: 49, Hawaii (ex *Omiodes*).

Hymenia recurvalis (Fabricius)

Swezey, 1907: 49, Hawaii.

Oeobia monticolans (Butler)

Swezey, 1907: 49, Hawaii (ex *Phlyctaenia*).

Sphingidae

Agrius cingulatus (Fabricius)

Severin, H. H. P., Severin and Hartung, 1915: 134 (ex *Herse*, lab.).

Unidentified Lepidoptera

Miscellaneous

Swezey, 1931a: 495, Hawaii (ex caterpillars feeding on *Acacia koa* (A. Gray)).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Pemberton, 1948b: (descr., figs. 2-3); Williams, 1931: (figs. 12-13 on pl. 19); Swezey, 1917: (figs. 12-13; Swezey, 1909: (descr., pl. 3); Swezey, 1908a: (descr.); Swezey, 1908b: (descr., pl. 3).

Larva — Williams, 1931: (fig. 9 on pl. 19); Swezey, 1917: (fig. 9).

Third instar larva — Swezey, 1909: (pl. 3); Swezey, 1908b: (pl. 3).

Pupa — Williams, 1931: (descr., figs. 10-11 on pl. 19); Swezey, 1917: (figs. 10-11); Swezey, 1909: (pl. 3); Swezey, 1908a: (descr.); Swezey, 1908b: (descr., pl. 3).

BIOLOGY: Kamran, 1968: (1010-1011); Pemberton, 1948b: (183-184, 200); Swezey, 1944a: (4); Williams, 1931: (148, 291-292); Severin, H. H. P., Severin and Hartung, 1915: (134, 136); Swezey, 1908a: (7-9); Swezey, 1908b: (17-19).

Chaetogaedia monticola (Bigot) probably

HOST: LEPIDOPTERA

Noctuidae

Peridroma saucia (Hübner)

Zimmerman, 1958: 290, Hawaii (ex *P. porphyrea* (Denis and Schiffermüller)).

Chaetogaedia sp. near *monticola* (Bigot)

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma californicum fragile (Stretch)

Stehr and Cook, 1968: 278-279, 301, Ariz., Calif.

Malacosoma constrictum austrinum Stehr

Stehr and Cook, 1968: 299, Calif.

Malacosoma incurvum discoloratum (Neumoegen)

Stehr and Cook, 1968: 280, 301, Nev.

STAGE PARASITIZED: Larva.

Chaetogaedia sp., see *Chaetogaedia monticola*

Gen. and sp. near *Chaetogaedia*

HOST: LEPIDOPTERA

Noctuidae

Litoprosopus sp.

Patton, 1958: 35, Fla. (incomplete rearing — pupa).

STAGE PARASITIZED: Larva.

Chaetolyga sp., see *Carcelia* spp.

Chaetolyga deilephilae, see *Winthemia deilephilae*

Chaetolyga leucanae, see *Winthemia leucanae*

Chaetolyga "leucaniae," see *Winthemia leucanae*

Chaetona Wulp (Dexiinae: Urodexiini)

Chaetona sp.

HOST: LEPIDOPTERA

Arctiidae

Turuptiana permaculata (Packard)

Townsend, 1895: 78, Colo. (ex *Ecpantheria*).

Chaetonodexodes Townsend (Dexiinae: Urodexiini)

Chaetonodexodes vanderwulpi (Townsend)

HOST: COLEOPTERA

Chrysomelidae

Monoxia consputa (LeConte)

Essig, 1926: 579, Utah (as *Tachinophyto*).

STAGE PARASITIZED: Larva.

Chaetophleps setosa, see *Celatoria setosa*

Chaetophleps n. sp., see *Miamimyia cincta*

Chaetophlepsis Townsend (Tachininae: Campylochetini)

Chaetophlepsis eudryae (Smith)

Most records as *Chaetophlepsis tarsalis* Townsend.

HOST: LEPIDOPTERA

Aegeriidae

Melittia cucurbitae (Harris)

Fattig, 1949: 11 (ex "Melitta").

Melittia cucurbitae (Harris) probably

Brimley, 1938: 359, N.C. (ex squash borer moth).

Noctuidae

Alypia octomaculata (Fabricius)

Schaffner and Griswold, 1934: 41, 108; Webber, 1931: 4;

Webber and Schaffner, 1926: 22, New England.

Autographa sp.

Vickery, 1925: 140, Tex.

Euthisanotia grata (Fabricius)

All records ex *Eudryas grata*.

Johnson, 1925: 189, Maine, Mass., N.H., R.I.; Smith, H. E.,
1916: 94, Mass. (as *Hypochaeta*).

Plathypena scabra (Fabricius)

Hill, 1925: 17, Tenn. (as *Hypochaeta*).

Pseudoplusia includens (Walker)

Allen, 1929: 683, Miss. (ex *Autographa oo* (Cramer)).

Unidentified Noctuidae

Aldrich, 1923b: 162, Miss.

Notodontidae

Pheosia rimosa Packard

Schaffner and Griswold, 1934: 77, 108.

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner and Griswold, 1934: (108).

***Chaetophlepsis orbitalis* Webber**

HOST: LEPIDOPTERA

Geometridae

Cingilia catenaria (Cramer)

Wood, 1951: 243, N.B.; Schaffner and Griswold, 1934: 98, 107, Mass., N.H., R.I.; *vide Webber, 1931: 3-4, Mass., N.H., R.I. (Greene, 1922).

Protitame virginalis (Hulst)

Raizenne, 1952: 132, Ont.

Noctuidae

Cryphia pervertens Barnes and McDunnough

Raizenne, 1952: 63, Ont.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 74 on pl. 16).

BIOLOGY: Schaffner and Griswold, 1934: (98, 107); Webber, 1931: (3-4).

***Chaetophlepsis rindgei* Reinhard**

HOST: LEPIDOPTERA

Geometridae

Drepanulatrix monicaria (Guenée)

*Vide Reinhard, 1952: 21, Calif. (Rindge, 1949); Rindge, 1949: 285, 288, Calif. (as *Chaetophlepsis* sp. probably undescribed).

Drepanulatrix spp. (including *D. baueraria* Sperry and/or *D. monicaria* (Guenée))

[*Vide Reinhard, 1952: 21, Calif. (Rindge, 1949)]; Rindge, 1949: 285, 288, Calif. (as *Chaetophlepsis* sp. probably undescribed).

STAGE PARASITIZED: Larva.

Chaetophlepsis semiothisae Brooks

HOST: LEPIDOPTERA

Geometridae

Itame fulvaria Villers probably

Brooks, 1945: 82, Ont.

Lambdina fiscellaria fiscellaria (Guenée)

Brooks, 1945: 82, Ont. (ex "*Lamlidina*" *fiscellaria*).

Nepytia canosaria (Walker)

Brooks, 1945: 82, B.C. (ex "*Nephytia*").

Pero sp.

Brooks, 1945: 82, Ont.

Semiothisa bisignata (Walker)

Raizenne, 1952: 122, Ont.

Semiothisa granitata Guenée complex

All records ex *Semiothisa granitata*.

Raizenne, 1952: 124, Ont.; Brooks, 1945: 82-83, B.C.,
N.B., N.S., Ont., Que.

Semiothisa minorata (Packard)

Raizenne, 1952: 121, Ont.; Brooks, 1945: 82-83, Que.

Semiothisa oweni (Swett)

Raizenne, 1952: 126, Ont.

Semiothisa sexmaculata (Packard)

Brooks, 1945: 83, N.B.

Tortricidae

Acleris variana (Fernald)

Miller, 1966: 603, N.S.

STAGE PARASITIZED: Larva.

Chaetophlepsis tarsalis, see *Chaetophlepsis eudryae*

Chaetophlepsis sp. probably undescribed [of Rindge, 1949], see

Chaetophlepsis rindgei

Chaetophlepsis spp.

HOST: LEPIDOPTERA

Aegeriidae

Melittia satyriniformis Hübner

Brimley, 1922: 23, N.C. (as *Hypochaeta longicornis*).

Noctuidae

Catocala antinympha (Hübner)

Schaffner and Griswold, 1934: 64, 108, Maine (as *Chaetophlepsis*).

Plathypena scabra (Fabricius)

Whiteside, Burbutis and Kelsey, 1967: 327, Del. (as *Chaetophlepsis*); Hill, 1925: 17, Miss. (as *Hypochaeta longicornis*).

Tortricidae

Choristoneura conflictana (Walker)

Prentice, 1955: 472, Alta. (as *Chaetophlepsis*).

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner and Griswold, 1934: (64, 108).

Chaetotachina simulans, see *Guerinia rufostomata*

"*Chalomyia*" *longipes*, see *Cholomyia inaequipes*

Choeteprosopa Schiner (Goniinae: Belvosiini)

Choeteprosopa hedemanni Brauer and Bergenstamm

All records as *Paragaedia hedemanni*.

HOST: LEPIDOPTERA

Noctuidae

Spodoptera eridania (Cramer)

Aldrich, 1925a: 463, Panama (ex *Xylomyges*).

Spodoptera ornithogalli (Guenée)

Crumb, 1929: 40 (ex *Prodenia*).

STAGE PARASITIZED: Larva.

Cholomyia Bigot (Dexiinae: Urodexiini)

Cholomyia inaequipes Bigot

HOST: COLEOPTERA

Curculionidae

Conotrachelus affinis Boheman

Mutchler and Weiss, 1925: 10-11 (as *C. longipes* (Fabricius));
Quaintance and Jenne, 1912: 150, Ark.; Brooks, F. E.,
1911a: 190, W. Va. (as *Metadexia basalis* Giglio-Tos);
Brooks, F. E., 1910: 182, W. Va. (as *Metadexia basalis* ex
hickorynut curculio).

Conotrachelus aratus Germar

Mutchler and Weiss, 1925: 13 (as "*Chalomyia*" *longipes*).

Conotrachelus elegans (Say)

Pierce, 1908: 381, 390, Tex.

Conotrachelus juglandis LeConte

Johnson, 1912: 102-103, La. (as *C. longipes*); Pierce, Cushman and Hood, 1912: 78; Pierce, Cushman and Hood, 1912: 78 (as *Metadexia basalis*); Quaintance and Jenne, 1912: 150, La., Tex.; Quaintance and Jenne, 1912: 150, W. Va. (as *Metadexia basalis*); Pierce, 1908: 381, 390, La.; Pierce, 1908: 381, 390, W. Va. (as *Metadexia basalis*); Pierce, 1908a: 42 (as *Metadexia basalis*).

Conotrachelus naso LeConte

Gibson, L., 1964: 525, Ala., Ga., Ohio.

Conotrachelus nenuphar (Herbst)

Armstrong, 1958: 17, Ont.; Fattig, 1949: 12; Snapp, 1930: 77, 79, Ga. (as *C. longipes*); Pierce, Cushman and Hood, 1912: 78; Quaintance and Jenne, 1912: 150, fig. 30, Ark., Ga., Md., Mo., Pa., Va. (ex *Curculio*); Pierce, 1908: 381, 390, Mo.

Conotrachelus posticatus Boheman

Gibson, L., 1964: 525, Ala., Ga., Ohio.

Conotrachelus spp.

Johnson, 1912: 102, Mo. (as *C. longipes*); Pierce, 1910: 453; Pierce, 1910: 453 (as *Metadexia basalis*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Quaintance and Jenne, 1912: (fig. 30).

BIOLOGY: Pierce, 1910: (453).

Cholomyia longipes, see *Cholomyia inaequipes*

Cholomyia sp.

HOST: COLEOPTERA

Curculionidae

Conotrachelus naso LeConte

Gibson, L., 1964: 525, Ala.

“*Chootexorista*” javana, see *Chaetexorista javana*

Chrysoexorista Townsend (Goniinae: Eryciini)

Chrysoexorista dawsoni (Sellers)

All records as *Zenillia dawsoni*.

HOST: LEPIDOPTERA

Geometridae

Lambdina fiscellaria laeta (Hulst) probably

Sellers, 1943: 29, N. Mex. (ex *Ellopia* “*lactea*”).

Olethreutidae

Laspeyresia pomonella (Linnaeus)

Sellers, 1943: 29, Ga. (ex *Carpocapsa*).

Chrysoexorista marginata (Aldrich and Webber)

HOST: LEPIDOPTERA

Geometridae

Hydria spp. (including *H. prunivorata* (Ferguson) and/or *H. undulata* (Linnaeus)).

Raizenne, 1952: 113, Ont. (ex *Calocalpe undulata*).

Olethreutidae

Laspeyresia pomonella (Linnaeus)

Aldrich and Webber, 1924: 17-18, Ga. (as *Zenillia* ex *Carpocapsa*, probable host).

Chrysoexorista ochracea (Wulp)

HOST: LEPIDOPTERA

Olethreutidae

Laspeyresia pomonella (Linnaeus)

Van Leeuwen, 1929: 78, Ga. (as *Exorista* "achracea" ex *Carpocapsa*).

STAGE PARASITIZED: Larva.

Chrysotachina Brauer and Bergenstamm (Tachininae: Linnaemyini)

Chrysotachina alcedo (Loew)

HOST: LEPIDOPTERA

Hesperiidae

Urbanus proteus (Linnaeus)

Patton, 1958: 36, Fla.; Aldrich, 1926b: 57, Fla. (ex *Eudamus*).

Lacosomidae

Cicinnus melsheimeri (Harris)

Schaffner and Griswold, 1934: 102, 111, Conn.

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner and Griswold, 1934: (102, 111).

Cistogaster immaculata, see *Gymnoclytia immaculata*

"*Cistogoster*" *immaculata*, see *Gymnoclytia immaculata*

Clausicella Rondani (Goniinae: Siphonini)

Clausicella floridensis (Townsend)

Most records as *Siphophyto floridensis*.

HOST: LEPIDOPTERA

Olethreutidae

Endothenia hebesana Walker

Satterthwait, 1948: 729 (ex *Olethreutes*); Satterthwait and Swain, 1946: 578.

Epiblema tripartitana (Zeller)

Bottimer, 1926: 816, Tex.

Suleima helianthana (Riley)

Satterthwait, 1948: 726, 729; Satterthwait and Swain, 1946: 578.

Pyralidae

Alberada parabates (Dyar)

Mann, 1969: 14, 43, Calif. (as *Clausicella*).

Homoeosoma electellum (Hulst)

Satterthwait, 1948: 729 (ex sunflower moth); Satterthwait and Swain, 1946: 578, Mo.

Plodia interpunctella (Hübner)

Morrill, 1940: 126 (as *Epigrimyia* ex Indian meal moth); Hamlin, Reed and Phillips, 1931: 23, Calif. (as *Drepanoglossa*); Simmons, Reed and M'Gregor, 1931: 42, Calif. (as *Drepanoglossa*).

Plodia sp.

Essig, 1926: 579, N. Mex. (as "*Epigrymia*").

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Satterthwait and Swain, 1946: (descr.).

BIOLOGY: Satterthwait and Swain, 1946: (578).

Clausicella neomexicana (Townsend)

Most records as *Siphophyto neomexicana*.

HOST: COLEOPTERA

Curculionidae

Curculio sp.

Reinhard, 1946: 84, Calif. (ex *Balaninus* larvae on acorn, questionable host).

HOST: HYMENOPTERA

Apidae

Bombus fervidus (Fabricius)

Reinhard, 1946: 83-84, N. Mex. (ex nest of *B. fervidus*, questionable host).

HOST: LEPIDOPTERA

Pyralidae

Homoeosoma electellum (Hulst)

Teetes and Randolph, 1969: 1463-1464, Tex. (as *Clausicella*).

Plodia interpunctella (Hübner)

Reinhard, 1946: 83, Calif., Kans.

Plodia spp.

Vide Reinhard, 1946: 83-84, N. Mex. (Coquillett, 1897);
Coquillett, 1897: 11, 26, N. Mex. (as *Epigrimyia floridensis* (Townsend)).

STAGE PARASITIZED: Larva (Coleoptera, Lepidoptera).

Clausicella opaca (Coquillett)

HOST: LEPIDOPTERA

Noctuidae

Peridroma saucia (Hübner)

Anon., 1969: 59, Okla.

Pyralidae

Homoeosoma electellum (Hulst)

Reinhard, 1946: 89, Tex. (as *Siphophyto* ex "*Homoesoma*").

Clausicella tarsalis, see *Elfia tarsalis*

Clausicella turmalis (Reinhard)

HOST: LEPIDOPTERA

Geometridae

Eupithecia coagulata Guenée probably

All records ex *Tephroclystis absynthiata* Clerck.

Vide Reinhard, 1946: 87, N.H. (as *Siphophyto*, Aldrich, 1932); Aldrich, 1932: 2, N.H. (as *Siphophyto floridensis* Townsend).

Clytiomyia flava, see *Euclytia flava*

Coloradomyia Arnaud (Tachininae: Germariini)

Coloradomyia eucosmaphaga Arnaud

HOST: LEPIDOPTERA

Olethreutidae

Eucosma ridingsana (Robinson)

Arnaud, 1963b: 2, 19-20, figs. 21-22, Colo.

IMMATURES: Pupa — Arnaud, 1963b: (descr., figs. 21-22).

“*Compilura*” *concinata*, see *Compsilura concinnata**Compsilura* Bouché (Goniinae: Blondeliini)*Compsilura concinnata* (Meigen)

HOST: COLEOPTERA

Curculionidae

Pissodes strobi (Peck)Mott, 1930: 34, N.E. U.S.; Webber and Schaffner, 1926: 27,
New England, N.H.; Howard, 1922: 137 (probable
parasite).

HOST: HYMENOPTERA

Cimbicidae

Cimbex americana LeachWebber and Schaffner, 1926: 2, 8, 26, New England;
Howard, 1922: 137; Culver, 1919: 5, New England.

Diprionidae

Diprion similis (Hartig)

Webber and Schaffner, 1926: 27, Conn., New England.

Pamphiliidae

Neurotoma fasciata (Norton)

Webber and Schaffner, 1926: 3, 10, 26, New England.

Tenthredinidae

Croesus latitarsus NortonWebber and Schaffner, 1926: 2, 8, 26, New England;
Howard, 1922: 136.*Nematus erythrogaster* NortonWebber and Schaffner, 1926: 3, 10, 27, New England (ex
Pteronidea coryla Cresson).

Nematus ribesii (Scopoli)

Webber and Schaffner, 1926: 3, 9, 27, New England (ex *Pteronidea*).

Pristiphora geniculata (Hartig)

Forbes and Daviault, 1964: 1128; Raizenne, 1957: 30, Ont.

Trichiocampus viminalis (Fallén)

Beigué, 1961: 1093, Que.

Unidentified Hymenoptera

Sawfly (-flies)

Howard, 1922: 137.

Tenthredinoidea

Schaffner, 1934: 586, 589.

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Schaffner and Griswold, 1934: 36, 115; Webber and Schaffner, 1926: 2, 5-6, 9, 14, 20, New England; Howard, 1922: 135; Culver, 1919: 5, 22, New England; Smith, H. E., 1917: 58, Mass.

Estigmene acrea (Drury)

Most records ex *Estigmene acraea*.

Schaffner and Griswold, 1934: 38, 115 (ex *E. acrea*); Webber and Schaffner, 1926: 3, 9, 14, 20, New England; Howard, 1922: 135; Culver, 1919: 5, New England.

Euchaetias egle (Drury)

Webber, 1937: 144-149 (lab.); Dowden, 1935: 509, 517 (lab.); Schaffner and Griswold, 1934: 39, 115; Schaffner, 1927: 729; Webber and Schaffner, 1926: 3, 6, 9, 20, New England; Howard, 1922: 135; Culver, 1919: 5, New England.

Halisidota argentata Packard

Silver, 1958: 78, B.C.

Halisidota caryae (Harris)

Raizenne, 1952: 21, Ont.; Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 33, 115; Schaffner, 1927: 729; Webber and Schaffner, 1926: 3, 9, 20, New England; Howard, 1922: 136.

Halisidota harrisii Walsh

Raizenne, 1952: 25, Ont.; Schaffner and Griswold, 1934: 34-35, 115.

Halisidota maculata (Harris)

Schaffner and Griswold, 1934: 33-34, 115.

Halisidota tessellaris (J. E. Smith)

Schaffner and Griswold, 1934: 34, 115; Webber and Schaffner, 1926: 3, 9, 20, New England; Howard, 1922: 136.

Hyphantria cunea (Drury)

Webber, 1937: 144-149 (lab.); Dowden, 1935: 517 (lab.); Schaffner, 1934: 589; Schaffner and Griswold, 1934: 37, 115; Webber and Schaffner, 1926: 3, 6, 9, 13-14, New England; Tothill, 1922: 9, 29, 36-43, 107, maritime prov., N.B.; Culver, 1919: 5, New England; Tothill, 1916: 114, N.B. or N.S.; Tothill, 1913a: 57, N.B.; Howard, 1911: 96 (as *Compsilura* [sp.] ex fall webworm); Howard and Fiske, 1911: 203 (ex fall webworm).

Hyphantria textor (Harris)

Reeks and Smith, 1956: 575, maritime prov.; Raizenne, 1952: 29, Ont.; Reeks, Smith and Forbes, 1946: 14, maritime prov.; Daviault, 1942: 398, Que. (as *C. "conncinata"*); Howard, 1922: 136; Thompson, 1910: 292.

Hyphantria sp.

Tothill, 1919: 13, N.B.

Unidentified Arctiidae

Schaffner, 1934: 589-590; Schaffner and Griswold, 1934: 40-41, 115; Webber and Schaffner, 1926: 2, 8, New England; Culver, 1919: 5, New England.

Bombycidae

Bombyx mori Linnaeus

Webber, 1937: 144-149 (lab.); Dowden, 1935: 509 (lab.); Webber and Schaffner, 1926: 10 (lab.); Culver, 1919: 1-27, figs. 1, 5-8, fig. 2 on pl. 1, Mass. (lab.).

Citheroniidae

Anisota rubicunda (Fabricius)

Reeks and Smith, 1956: 575, maritime prov.; Reeks, Smith and Forbes, 1946: 14, maritime prov.; Schaffner and Griswold, 1934: 30-31, 115; Webber and Schaffner, 1926: 2, 8, 26, New England.

Anisota senatoria J. E. Smith

Schaffner and Griswold, 1934: 29-30, 115; Webber and
Schaffner, 1926: 2, 8, 25, New England.

Anisota virginiensis (Drury)

Schaffner and Griswold, 1934: 30, 115.

Anisota spp.

Schaffner, 1934: 589.

Ctenuchidae

Ctenucha virginica Charpentier

Schaffner and Griswold, 1934: 32, 115.

Danaidae

Danaus plexippus plexippus (Linnaeus)

Ehrlich, 1948: 92 (ex *D. plexippus*); Webber, 1937: 144-149
(ex *D. menippe* (Hübner), lab.); Schaffner and Griswold,
1934: 8, 115 (ex *D. menippe*); Webber and Schaffner,
1926: 2, 8, 23, New England (ex *Anosia plexippus*);
Howard, 1922: 135 (ex *Anosia plexippus*).

Geometridae

Biston cognataria (Guenée)

Schaffner and Griswold, 1934: 96, 115-116 (ex *Amphidasis*);
Webber and Schaffner, 1926: 3, 9, 23, New England (ex
Lycia).

Cingilia catenaria (Cramer)

Franklin, 1950: 57; Webber, 1937: 144-149 (lab.); Schaffner
and Griswold, 1934: 98, 115-116; Webber and Schaffner,
1926: 2, 8, 23, New England.

Ennomos subsignarius (Hübner)

Schaffner and Griswold, 1934: 99-100, 115-116, Mass.;
Webber and Schaffner, 1926: 2, 9, 23, New England;
Culver, 1919: 5, New England.

Eugonobapta nivosaria (Guenée)

Schaffner and Griswold, 1934: 99, 115-116, Mass.

Hydria spp. (including *H. prunivorata* (Ferguson) and/or *H. undulata* (Linnaeus)).

Most records ex *Hydria undulata*.

Webber, 1937: 144-149 (lab.); Schaffner and Griswold,
1934: 91-92, 115-116 (ex *Calocalpe undulata*); Web-
ber and Schaffner, 1926: 3, 9, 23, New England.

Itame ribearia (Fitch)

Schaffner and Griswold, 1934: 94, 115-116.

Lambdina fiscellaria fiscellaria (Guenée)

All records ex *Lambdina fiscellaria*.

Reeks and Smith, 1956: 575, maritime prov.; Reeks, Smith, and Forbes, 1946: 14, maritime prov.

Melanolophia imitata (Walker)

Evans, 1962: 597, B.C.

Nematocampa filamentaria Guenée

Reeks and Smith, 1956: 575, maritime prov. (ex *N. limbata* Haworth).

Phigalia titea (Cramer)

Schaffner and Griswold, 1934: 97, 115-116; Webber and Schaffner, 1926: 3, 9, 23, New England.

Unidentified Geometridae

Culver, 1919: 5, 22, New England.

Hesperiidae

Epargyreus clarus (Cramer)

All records ex *Epargyreus tityrus* (Fabricius).

Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 15, 115; Schaffner, 1927: 729; Webber and Schaffner, 1926: 2, 9, 25, New England; Howard, 1922: 135.

Erynnis brizo (Boisduval and LeConte)

Webber and Schaffner, 1926: 27, New England (ex *Thanaos*).

Erynnis icelus (Scudder and Burgess)

Schaffner and Griswold, 1934: 15, 115.

Erynnis spp. (including *E. horatius* (Scudder and Burgess) and/or *E. juvenalis* (Fabricius))

Schaffner and Griswold, 1934: 15-16, 115, Mass.

Erynnis spp.

Webber and Schaffner, 1926: 3, 7, New England (ex *Thanaos*).

Thymelicus lineola (Ochsenheimer)

Arthur, 1962: 1083, 1085, Ont.

Unidentified Hesperidae

Schaffner, 1934: 589-590.

Lasiocampidae

Epicnaptera americana (Harris)

Schaffner and Griswold, 1934: 89, 115-116; Webber and Schaffner, 1926: 3, 9, 13, New England.

Malacosoma americanum (Fabricius)

Webber, 1937: 144-149 (lab.); Bess, 1936: 605-607; Schaffner, 1934: 589; Schaffner and Griswold, 1934: 88, 115-116; Webber and Schaffner, 1926: 3, 9, 13, New England; Howard, 1922: 136; Culver, 1919: 5, New England.

Malacosoma californicum pluviale (Dyar)

Johansen, 1957: 70, Wash. (ex *M. pluviale*).

Malacosoma disstria Hübner

Sippell, 1961: 436, Ont.; Johansen, 1957: 70, Wash.; Webber, 1937: 144-149 (lab.); Bess, 1936: 605-607; Schaffner and Griswold, 1934: 89, 115-116; Webber and Schaffner, 1926: 3, 9, 13, New England; Howard, 1922: 136; Culver, 1919: 5, New England; Howard, 1914: 83-84 (ex forest tent caterpillar).

Malacosoma spp.

Ross, 1953: 20, 22, fig. 8, B.C.

American tent caterpillar(-s)

Howard, 1914: 83-84.

Limaecodidae

Cnidocampa flavescens (Walker)

Schaffner, 1959: 6, 50, [N.E. U.S.]; Schaffner and Griswold, 1934: 104-105, 115-116, Mass.; Webber and Schaffner, 1926: 2, 8, 26, New England.

Lymantriidae

Dasychira basiflava (Packard)

All records ex *Olene basiflava*.

Schaffner and Griswold, 1934: 86, 115-116; Webber and Schaffner, 1926: 3, 9-10, New England.

Dasychira spp.

All records ex *Olene* spp.

Schaffner and Griswold, 1934: 87, 115-116; Webber and Schaffner, 1926: 3, 9, New England.

Euproctis chrysorrhoea (Linnaeus)

Webber and Schaffner, 1926: 1, 11, 30, Mass., New England; Burgess, 1924: 34-35, Mass.; Lochhead, 1919: 202; Burgess, 1917: 9, Mass.; Smith, H. E., 1917: 57; Burgess, 1915a: 6-7, 9-11, fig. 2 on pl. 3; Burgess, 1914: 6; Pouillaude, 1913: 82-83, Mass.; Tothill, 1913a: 57-58; Howard and Fiske, 1911: 263, 309, fig. 1 on pl. 20; Britton, 1910: 20.

Hemerocampa leucostigma (J. E. Smith)

Reeks and Smith, 1956: 575, maritime prov.; Franklin, 1950: 57; Reeks, Forbes and Cuming, 1947: 10, N.S., P.E.I.; Webber, 1937: 144-149 (lab.); Dowden, 1935: 509; Schaffner and Griswold, 1934: 85, 115-116; Webber and Schaffner, 1926: 3, 9, 11-12, 20, Mass., New England, R.I.; Howard, 1922: 135; Culver, 1919: 1-27, figs. 1, 5-8, fig. 2 on pl. 1, New England; Tothill and McLaine, 1919: 37-39, N.B. (ex white marked tussock moth).

Nygmia phaeorrhoea (Donovan)

Most records ex brown-tail moth.

Dowden, 1962: 27, 29, 54, U.S. (ex *N. phaeorrhoea*); Reeks and Smith, 1956: 570, 575, maritime prov. (ex *N. phaeorrhoea*); Conklin, 1952: 78, N.H.; Procter, 1946: 431, Maine (as "*Compsilura*"); Sellers, 1943: 56 (ex *N. phaeorrhoea*); Baird, 1939a: 52, E. Canada (ex *N. phaeorrhoea*); Baird, 1938: 85, 124, 141, 143, U.S. (ex *N. phaeorrhoea*); Webber, 1937: 144-149 (ex *N. phaeorrhoea*, lab.); Sweetman, 1936: 121-123, 221, 269, N. Amer.; Dowden, 1935: 509, 520 (ex *N. phaeorrhoea*); deGryse, 1935: 9, [N.B., N.S.]; Collins, 1934: 31, [Maine, Mass, and/or N.H.]; Proper, 1934: 369-370, 375-376, New England; Schaffner, 1934: 588-590, 592, New England (ex *N. phaeorrhoea*); Collins, 1933: 28, Mass. (ex *N. phaeorrhoea*); Collins and Jones, 1932: 237; Burgess, 1930: 28, Mass. (ex *N. phaeorrhoea*); Burgess and Crossman, 1929: 66, 134, 136, 142, Mass., N.H. (ex *N. phaeorrhoea*); Curran, 1927a: 24; Gilliatt, 1926: 64-65, N.S.; Britton and Ashworth, 1923: 316, Conn.; Gilliatt, 1921: 78, N.S.; Culver, 1919: 1-27, figs. 1, 5-8, fig. 2 on pl. 1, New England; Tothill and McLaine, 1919: 36-39, Mass., N.B.; Philbrook, 1918: 60, Maine; Britton and Irving, 1916: 113, Conn.; Burgess, 1916: 154, New England; McLaine, 1916: 22, 24, fig. 4; O'Kane, 1916: 132, N.H.; Britton, 1915: 19; Burgess, 1915: 85; Howard, 1913: 72-73, Mass. (as *Compsilura* [sp.]); Howard, 1911: 96 (as *Compsilura* [sp.]); Thompson, 1910: 292.

Orgyia antiqua (Linnaeus)

All records ex *Notolophus antiqua*.

Schaffner and Griswold, 1934: 84, 115-116; Webber and Schaffner, 1926: 3, 9, 11-12, New England; Howard, 1922: 136; Culver, 1919: 5, New England.

Porthetria dispar (Linnaeus)

Dowden, 1962: 30, 32, 34, 54, New England; Nichols, 1962: 20, Pa.; Dowden, 1961: 875, Mass.; Clausen, 1956: 6-7, 63, 97-98; Cooke, 1953: 152, Conn. (as *C. "concinati"*); Conklin, 1952: 78, N.H. (ex gypsy moth); Franklin, 1950: 57, 60; Friend, 1945: 620-621, Conn.; Brown and Sheals, 1944: 400; Felker, 1940: 122, N.H. (as *C. "concinati"* ex "gypsy" moth); Webber, 1937: 144-149 (lab.); *Sweetman, 1936: 121-123, 221, 269, N. Amer. (ex gypsy moth, Proper, 1934); Britton, 1935: 637, Conn.; Collins, 1935: 38, Mass. (ex gypsy moth); Dowden, 1935: 495, 509, 511, 517, 521; Collins, 1934: 31, Mass., New England (ex gypsy moth); Proper, 1934: 369-371, 375-376, New England (ex gypsy moth); Schaffner, 1934: 588-592, New England, N.J., Pa.; Britton and Ashworth, 1933: 407, Conn. (ex "gypsy" moth); Collins, 1933: 27, Mass. (ex gypsy moth); Collins and Jones, 1932: 237 (ex "gypsy" moth); Webber, 1932: 205; Anon., 1931a: 775, N.Y. (ex gypsy moth, incomplete rearing—pupa); Anon., 1931c: 124 (incomplete rearing—pupa); Burgess, 1930: 15-16, Mass.; Burgess and Crossman, 1929: 52-67, 142, fig. 24, Conn., Maine, Mass., N.H., Vt.; Curran, 1927a: 24 (ex gypsy moth); Webber and Schaffner, 1926: 1, 11, 30, Mass., New England; Burgess, 1924: 34-35, Mass.; Britton and Ashworth, 1923: 316, Conn. (ex "gypsy" moth); Culver, 1919: 1-27, figs. 1, 5-8, fig. 2 on pl. 1, New England; Lochhead, 1919: 200, 406; Tothill and McLaine, 1919: 36, 39 (ex "gypsy" moth); Britton and Davis, 1918: 250, Conn.; Howard, 1918: 45 (ex gypsy moth); Philbrook, 1918: 60, Maine (ex gypsy moth); Burgess, 1917: 9, Mass.; Smith, H. E., 1917: 57; Britton and Irving, 1916: 113, Conn. (ex "gypsy" moth); Burgess, 1916: 154, New England (ex "gypsy" moth); McLaine, 1916: 24-25, fig. 4 (ex "gypsy" moth); O'Kane, 1916: 132, pl. 4, N.H. (ex "gypsy" moth); Burgess, 1915a: 6-7, 9-11, fig. 2 on pl. 3; Hewitt, 1915: 12-13, 15, Mass. (ex "gypsy" moth); Burgess, 1914: 6; Howard, 1914: 83-84, Mass. (ex gypsy moth); Howard, 1914a: 86-87 (ex "gypsy" moth); Howard, 1913: 73, Mass. (ex gypsy moth); Pouillaude, 1913: 82-83, Mass. (ex "*Porthesia*" *dispar*); Tothill, 1913a: 57; Tothill, 1913a: 57, Mass. (ex "gypsy" moth); Howard, 1911: 96 (as *Compsilura* [sp.] ex gypsy moth); Howard and Fiske, 1911: 218-225, 308, fig. 1 on pl. 20, Mass.

Stilpnobia salicis (Linnaeus)

Dowden, 1962: 43-45, 54, Pacific N.W.; Lejeune and Silver, 1961: 456, 459-460, 462, 466, B.C.; Reeks and Smith, 1956: 569-571, 575-576, maritime prov.; Clausen, 1956: 65, 97-98; McLeod, 1954: 25, B.C.; Anon., 1952a: 164, B.C.; Anon., 1952e: 211, B.C.; Beaulne, 1949: 206, Que.; Reeks, Forbes and Cuming, 1946: 16, N.B.; Reeks, Smith and Forbes, 1946: 14, maritime prov.; Gauthier, 1945: 27, Que.; Prebble, 1945: 112, B.C.; Prebble, 1942: 111, B.C.; Baird, 1939a: 52, E. Canada; Balch, 1939: 31, maritime prov., Que.; Twinn, 1939: 21, N.B., N.S.; Baird, 1938: 86, 137, 140-141, 143, U.S.; Balch, 1938: 26, maritime prov.; Baird, 1937: 67, Canada; Balch, 1937: 26, N.B., N.S.; Webber, 1937: 144-149 (lab.); *Sweetman, 1936: 121-123, 221, 269, N. Amer. (ex satin moth, Proper, 1934); Collins, 1935: 38, Mass. (ex satin moth); deGryse, 1935: 9, maritime prov. (ex satin moth); Dowden, 1935: 509, 517; Webber, 1935: 460, Wash. (ex satin moth, probable host); Proper, 1934: 369-371, 375-376, New England (ex satin moth); Schaffner, 1934: 588-589, Mass.; Collins and Jones, 1932: 239 (ex satin moth); Weir, 1932: 178, B.C., N.S. (ex satin moth); Gilliatt, 1931: 13, N.S.; Glendenning, 1931: 32, E. U.S. (ex satin moth); Burgess and Crossman, 1927: 16-18, New England; Howard, 1926: 279-280, New England (ex "European" satin moth); Webber and Schaffner, 1926: 3, 10-11, 30, Mass., New England; Howard, 1922: 135.

Tussock moth(-s)

Howard, 1911: 96 (as *Compsilura* [sp.]); Howard and Fiske, 1911: 221-224, Mass.

Unidentified Lymantriidae

Schaffner, 1934: 589 (ex Liparidae).

Megalopygidae

Megalopyge crispata (Packard)

Schaffner, 1959: 7, 50, [N.E. U.S.] (ex *Lagoa*).

Noctuidae

Acronicta americana (Harris)

Schaffner and Griswold, 1934: 57-58, 115 (ex *Acronycta*); Webber and Schaffner, 1926: 2, 5, 8, 20, New England (ex *Apatela*).

Acronicta brumosa Guenée

All records ex *Apatela brumosa*.

Webber and Schaffner, 1926: 2, 8, 21, New England;
Howard, 1922: 135.

Acronicta dactylina (Grote)

Schaffner and Griswold, 1934: 58, 115 (ex *Acronycta*).

Acronicta fragilis (Guenée)

Reeks and Smith, 1956: 575, maritime prov.

Acronicta furcifera Guenée

Schaffner and Griswold, 1934: 55-56, 115 (ex *Acronycta*);
Webber and Schaffner, 1926: 2, 8, 21, New England (ex
Apatela).

Acronicta grisea Walker

Reeks, Smith and Forbes, 1946: 14, maritime prov.

Acronicta hasta Guenée

All records ex *Apatela hasta*.

Howard, 1922: 135; Culver, 1919: 5, New England.

Acronicta impleta Walker

Schaffner and Griswold, 1934: 55, 115 (ex *Acronycta*).

Acronicta impressa Walker

Schaffner and Griswold, 1934: 58-59, 115 (ex *Acronycta*).

Acronicta lanceolaria (Grote)

Schaffner and Griswold, 1934: 60, 115 (ex *Acronycta*).

Acronicta oblinita (J. E. Smith)

Reeks and Smith, 1956: 575, maritime prov. (ex *A.*
"oblinita"); Reeks, Smith and Forbes, 1946: 14,
maritime prov. (ex *A.* "oblinita"); Schaffner and
Griswold, 1934: 60, 115 (ex *Acronycta*).

Acronicta superans Guenée

Schaffner and Griswold, 1934: 55, 115 (ex *Acronycta*).

Acronicta spp.

Most records ex *Apatela* spp.

*Procter, 1946: 431, Maine (as "*Compsiluria*," Procter,
1938); Procter, 1938: 372, [Maine] (as "*Comp-*
siluria"); Schaffner and Griswold, 1934: 60, 115 (ex
Acronycta); Webber and Schaffner, 1926: 2, 8, New
England.

Alypia octomaculata (Fabricius)

Schaffner and Griswold, 1934: 41, 115; Webber and
Schaffner, 1926: 2, 8, 22, New England; Howard, 1922:
135.

Amphipyra pyramidoides Guenée

Schaffner and Griswold, 1934: 52, 115; Webber and
Schaffner, 1926: 3, 10, 21, New England (ex *Pyrophila*).

Calpe canadensis Bethune

Schaffner and Griswold, 1934: 70-71, 115, Mass.; Webber and Schaffner, 1926: 2, 8, 21, New England.

Catocala spp.

Webber and Schaffner, 1926: 2, 8, 22, New England.

Ceramica picta (Harris)

Most records ex *Mamestra picta*.

Schaffner and Griswold, 1934: 47, 115 (ex *Ceramica*); Webber and Schaffner, 1926: 3, 5-6, 9, 21, New England; Howard, 1922: 136; Culver, 1919: 5, New England.

Euthisanotia grata (Fabricius)

Webber and Schaffner, 1926: 3, 9, 20, New England.

Lithophane antennata (Walker)

Schaffner and Griswold, 1934: 49, 115 (ex *Graptolitha*).

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

Schaffner and Griswold, 1934: 48, 115 (ex *Graptolitha* spp. (including *G. disposita*, *G. innominata* and/or *G. petulca*)).

Lithophane sp.

Reeks and Smith, 1956: 575, maritime prov. (ex *Graptolitha*).

Phosphila turbulenta Hübner

Webber, 1937: 144-149 (ex *Hadena*, lab.); Schaffner and Griswold, 1934: 52-53, 115 (ex *Trachea*).

Plathypena scabra (Fabricius)

Whiteside, Burbutis and Kelsey, 1967: 327, Del. (as "*Compilura*"); Schaffner and Griswold, 1934: 71-72, 115, Mass.; Webber and Schaffner, 1926: 3, 9, 22, New England; Hill, 1925: 17, Mass.

Plusiodonta compressipalpis Guenée

Webber and Schaffner, 1926: 3, 5, 9, 22, New England; Culver, 1919: 5, Mass.

Polia adjuncta (Boisduval)

Most records ex *Mamestra adjuncta*.

Schaffner and Griswold, 1934: 44-45, 115 (ex *Polia*); Webber and Schaffner, 1926: 3, 9, 21, New England; Howard, 1922: 135; Culver, 1919: 5, New England.

Polia legitima (Grote)

Schaffner and Griswold, 1934: 45, 115; Webber and Schaffner, 1926: 3, 5, 9, 21, New England (ex *Mamestra*).

Pseudaletia unipuncta (Haworth)

All records ex *Cirphis unipuncta*.

Franklin, 1950: 57; Schaffner and Griswold, 1934: 47, 115; Webber and Schaffner, 1926: 2, 8, 22, New England; Howard, 1922: 135; Culver, 1919: 5, New England.

Rhodophora florida Guenée

Webber and Schaffner, 1926: 3, 9, 22, New England; Culver, 1919: 5, Mass.

Scoliopteryx libatrix (Linnaeus)

Schaffner and Griswold, 1934: 71, 115; Webber and Schaffner, 1926: 3, 9, 21, New England.

Simyra henrici (Grote)

Schaffner and Griswold, 1934: 61, 115; Webber and Schaffner, 1926: 2, 6, 8, 21, New England (ex *Arsilonche albovenosa* (Goeze)).

Trichoplusia ni (Hübner)

Most records ex *Autographa brassicae* Riley.

Sutherland, 1966: 38-39, N.Y. (ex *Trichoplusia ni*); Harcourt, 1963: 72, Ont. (ex *Trichoplusia ni*); Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 69, 115; Webber and Schaffner, 1926: 2, 8, 20, New England; Culver, 1919: 5, New England.

Xylena sp.

Culver, 1919: 5, New England (ex *Xylina*).

Unidentified Catocalinae

Schaffner and Griswold, 1934: 67, 115.

Unidentified Noctuidae

Schaffner, 1934: 589-590; Schaffner and Griswold, 1934: 72, 115; Culver, 1919: 5, New England.

Notodontidae

Cerura occidentalis Linter

Schaffner and Griswold, 1934: 82, 115-116; Webber and Schaffner, 1926: 2, 8, 19, New England.

Datana angusii Grote and Robinson

Schaffner and Griswold, 1934: 74-75, 115; Webber and Schaffner, 1926: 2, 9, 18, New England.

Datana integerrima Grote and Robinson

Raizenne, 1952: 82, Ont.; Schaffner, 1934: 591, Pa.; Schaffner and Griswold, 1934: 76, 115-116; Schaffner, 1927: 729; Webber and Schaffner, 1926: 2, 9, 18, New England.

Datana major Grote and Robinson

Schaffner and Griswold, 1934: 75, 115-116; Webber and Schaffner, 1926: 2, 9, 18, New England.

Datana ministra (Drury)

Reeks and Smith, 1956: 575, maritime prov.; Raizenne, 1952: 80, Ont.; Reeks, Smith and Forbes, 1946: 14, maritime prov.; Beaulne, 1939: 120, Que.; Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 74, 115; Schaffner, 1927: 729; Webber and Schaffner, 1926: 2, 9, 18, New England; Howard, 1922: 135.

Datana perspicua Grote and Robinson

Schaffner, 1934: 591, Pa.; Schaffner and Griswold, 1934: 75, 115-116; Webber and Schaffner, 1926: 2, 9, 18, New England.

Fentonia marthesia (Cramer)

Schaffner and Griswold, 1934: 83, 115-116.

Heterocampa guttivitta (Walker)

Schaffner and Griswold, 1934: 79-80, 115-116; Collins, 1926: 693, 695, Mass., N.H.; Webber and Schaffner, 1926: 3, 9, 19, New England.

Heterocampa umbrata Walker

Schaffner and Griswold, 1934: 79, 115-116; Webber and Schaffner, 1926: 3, 9, 19, New England.

Ichthyura inclusa Hübner

All records ex *Melalopha inclusa*.

Webber, 1937: 144-149 (lab.); Schaffner, 1934: 589; Schaffner and Griswold, 1934: 73, 115; Webber and Schaffner, 1926: 3, 9, 19, New England; Howard, 1922: 136; Culver, 1919: 5, New England.

Nadata gibbosa (J. E. Smith)

Schaffner and Griswold, 1934: 78, 115-116; Webber and Schaffner, 1926: 3, 9, 21-22, New England.

Pheosia rimosa Packard

Schaffner and Griswold, 1934: 77, 115-116; Webber and Schaffner, 1926: 3, 9, 19, New England.

Schizura badia (Packard)

Schaffner and Griswold, 1934: 81, 115-116, Mass.

Schizura concinna (J. E. Smith)

Raizenne, 1952: 90, Ont.; Webber, 1937: 144-149 (ex *S. "cincinna,"* lab.); Schaffner and Griswold, 1934: 81, 115-116; Schaffner, 1927: 730; Webber and Schaffner, 1926: 3, 6, 10, 19, New England; Howard, 1922: 135; Culver, 1919: 5, New England.

Schizura ipomaeae Doubleday

Raizenne, 1952: 89, Ont. (ex *S. "ipomoeae"*).

Schizura unicornis (J. E. Smith)

Schaffner and Griswold, 1934: 81-82, 115-116; Webber and Schaffner, 1926: 3, 5-6, 10, 19, New England.

Symmerista albifrons (J. E. Smith)

Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 115-116; Webber and Schaffner, 1926: 26, Mass., New England.

Symmerista canicosta Franclemont

Raizenne, 1952: 85, Ont.

Unidentified Notodontidae

Schaffner, 1934: 589-590; Culver, 1919: 5, New England.

Nymphalidae

Agraulis vanillae incarnata (Riley)

Arnaud, 1969: 77, Calif.

Chlosyne harrisii (Scudder)

Schaffner and Griswold, 1934: 9, 115 (ex *Lemonias*).

Chlosyne nycteis (Doubleday)

Webber and Schaffner, 1926: 2, 8, 14, 17, New England (ex *Charidryas*).

Euphydryas phaeton (Drury)

Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 9, 115.

Limenitis archippus (Cramer)

All records ex *Basilarchia archippus*.

Schaffner and Griswold, 1934: 13-14, 115; Webber and Schaffner, 1926: 2, 8, 18, New England; Howard, 1922: 135.

Limenitis astyanax (Fabricius)

Schaffner and Griswold, 1934: 13, 115 (ex *Basilarchia arthemis astyanax*); Webber and Schaffner, 1926: 2, 8, 18, New England (ex *Basilarchia*).

Nymphalis antiopa (Linnaeus)

Reeks and Smith, 1956: 575, maritime prov.; Raizenne, 1952: 4, Ont.; Reeks, Smith and Forbes, 1946: 14, maritime prov.; Webber, 1937: 144-149 (ex *Hamadryas*, lab.); Dowden, 1935: 509 (ex *Hamadryas*); Schaffner and Griswold, 1934: 11, 115 (ex *Hamadryas*); Schaffner, 1927: 729 (ex *Euvanessa*); Webber and Schaffner, 1926: 3, 9, 14-15, New England (ex *Euvanessa*); Howard, 1922: 135 (ex *Euvanessa*); Culver, 1919: 5, New England (ex

Vanessa); Smith, H. E., 1917: 57-58, New England (ex *Euvanessa*).

Nymphalis milberti (Godart)

Most records ex *Aglais milberti*.

Schaffner and Griswold, 1934: 11, 115 (ex *Hamadryas*);
Webber and Schaffner, 1926: 2, 8, 16, New England;
Howard, 1922: 135.

Nymphalis vau-album j-album (Boisduval and LeConte)

Schaffner and Griswold, 1934: 10-11, 115, Mass., N.H. (ex *Hamadryas j-album*); Webber and Schaffner, 1926: 3, 9, 14, New England (ex *Eugonia j-album*).

Polygonia comma (Harris)

Raizenne, 1952: 2, Ont.; Schaffner and Griswold, 1934: 10, 115; Webber and Schaffner, 1926: 3, 9, 16, New England.

Polygonia interrogationis (Fabricius)

Raizenne, 1952: 2, Ont.; Schaffner and Griswold, 1934: 9-10, 115; Webber and Schaffner, 1926: 3, 9, 14-15, New England; Howard, 1922: 135.

Vanessa atalanta (Linnaeus)

Schaffner and Griswold, 1934: 12, 115 (ex *Cynthia*); Webber and Schaffner, 1926: 3, 10, 16-17, New England, N.H.; Howard, 1922: 135; Culver, 1919: 5, New England.

Vanessa virginiensis (Drury)

Most records ex *Vanessa huntera* (Fabricius).

Schaffner and Griswold, 1934: 12, 115 (ex *Cynthia virginiensis*); Webber and Schaffner, 1926: 3, 10, 16, New England; Culver, 1919: 5, New England.

Unidentified Nymphalidae

Schaffner, 1934: 589.

Oecophoridae

Dasystoma salicellum (Hübner)

Raine, 1966: 334, B.C.

Papilionidae

Battus philenor (Linnaeus)

Schaffner and Griswold, 1934: 6, 115, Conn., Mass., N.J., R.I. (ex *Papilio*).

Papilio glaucus Linnaeus

Most records ex *Papilio turnus* Linnaeus.

Schaffner and Griswold, 1934: 7, 115 (ex *P. glaucus* form

turnus); Webber and Schaffner, 1926: 3, 9, 24, New England; Howard, 1922: 135.

Papilio polyxenes polyxenes Fabricius

Most records ex *Papilio polyxenes*.

Schaffner and Griswold, 1934: 6, 115 (ex *P. ajax* Linnaeus); Webber and Schaffner, 1926: 3, 5, 7, 9, 24, New England; Howard, 1922: 135; Culver, 1919: 5, 22, New England.

Papilio troilus Linnaeus

Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 7, 115; Webber and Schaffner, 1926: 3, 5, 7, 9, 24, New England; Howard, 1922: 135.

Unidentified Papilionidae

Schaffner, 1934: 589-590.

Pieridae

Pieris rapae (Linnaeus)

Fitzpatrick, 1967: 15, B.C.; Wilkinson, 1966: 1012-1013, B.C.; Anon., 1963b: 19, Ont.; Harcourt, 1963: 65, Ont.; Beirne, 1962: 19, Ont.; Webber, 1937: 144-149 (ex *Ascia*, lab.); Schaffner and Griswold, 1934: 7-8, 115 (ex *Ascia*); Webber and Schaffner, 1926: 3, 5-6, 9-10, 20, 24, New England (ex *Pontia*); Howard, 1922: 136 (ex *Pontia*); Culver, 1919: 1-27, figs. 1, 5-8, fig. 2 on pl. 1, New England (ex *Pontia*); Howard and Fiske, 1911: 223-224 (ex *Pontia*).

Pterophoridae

Oidaematophorus homodactylus (Walker)

Schaffner, 1959: 19, 50, [N.E. U.S.].

Pyralidae

Evergestis straminealis (Hübner)

Schaffner, 1959: 8, 50, [N.E. U.S.]; Webber and Schaffner, 1926: 3, 9, 22, New England.

Ostrinia nubilalis (Hübner)

Webber and Schaffner, 1926: 27, Mass., New England (ex *Pyrausta*).

Saturniidae

Antheraea polyphemus (Cramer)

Most records ex *Telea polyphemus*.

Reeks and Smith, 1956: 575, maritime prov. (ex *Antheraea*); Schaffner and Griswold, 1934: 28, 115; Webber and Schaffner, 1926: 3, 10, 24, New England.

Automeris io (Fabricius)

Raizenne, 1952: 16, Ont.; Schaffner and Griswold, 1934: 28, 115; Schaffner, 1927: 729; Webber and Schaffner, 1926: 2, 8, 24, New England, N.Y.

Callosamia promethea (Drury)

Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 27, 115; Webber and Schaffner, 1926: 2, 5-6, 8, 24, New England; Culver, 1919: 1-27, figs. 1, 5-8, fig. 2 on pl. 1, Mass.; Smith, H. E., 1917: 58, Mass.

Hemileuca maia (Drury)

Webber and Schaffner, 1926: 3, 9, 24, New England.

Hemileuca oliviae Cockerell

Caffrey in Britton, 1916: 250, N. Mex. (ex range caterpillar).

Hemileuca spp. (including *H. lucina* H. Edwards and/or *H. maia* (Drury))

Schaffner and Griswold, 1934: 29, 115.

Platysamia cecropia (Linnaeus)

Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 26-27, 115; Webber and Schaffner, 1926: 3, 10, 24, 29, New England (ex *Samia*).

Unidentified Saturniidae

Schaffner, 1934: 589-590.

Sphingidae

Ampeloeca myron (Cramer)

Schaffner and Griswold, 1934: 23-24, 115; Webber and Schaffner, 1926: 2, 5-6, 8, New England (ex *Ampelophaga*).

Amphion nesus (Cramer)

Schaffner and Griswold, 1934: 25, 115.

Atreides plebeius (Fabricius)

Aldrich, 1932: 3, Mass. (ex *Atreus* "plebeja").

Ceratomia catalpae (Boisduval)

Schaffner and Griswold, 1934: 17, 115, N.J.

Ceratomia undulosa (Walker)

Schaffner and Griswold, 1934: 17, 115.

Deidamia inscriptum (Harris)

Schaffner and Griswold, 1934: 24, 115; Webber and Schaffner, 1926: 2, 5, 9, 25, New England; Culver, 1919: 5, 22, New England.

Hemaris thysbe (Fabricius)

Schaffner and Griswold, 1934: 22, 115; Webber and Schaffner, 1926: 3, 9, 25, New England.

Hyles gallii (Rottenburg)

Most records ex *Deilephila gallii*.

Schaffner and Griswold, 1934: 25, 115 (ex *Sphinx gallii intermedia* Kirby); Webber and Schaffner, 1926: 2, 5, 9, 25, New England; Culver, 1919: 5, 22, Mass.

Hyles lineata (Fabricius)

Schaffner and Griswold, 1934: 25, 115 (ex *Sphinx*); Webber and Schaffner, 1926: 2, 9, 25, New England (ex *Deilephila*).

Manduca quinquemaculata (Haworth)

Most records ex *Phlegethontius quinquemaculata*.

Baird, 1943: 111, 125, 128, Que. (ex *Protoparce*); Baird, 1942: 116, 130, 133, U.S.; Baird, 1940: 99, 118, 123, N.B., N.S.; Baird, 1939: 106, 122, 126, N.B., N.S.; Gilmore, 1938: 711, Ky. and/or Tenn. (ex *Protoparce*); Schaffner and Griswold, 1934: 16, 115; Webber and Schaffner, 1926: 3, 9, 25, New England; Howard, 1922: 136; Culver, 1919: 5, New England.

Paonias excaecata (J. E. Smith)

Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 21, 115; Schaffner, 1927: 730.

Paonias myops (J. E. Smith)

Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 21, 115; Webber and Schaffner, 1926: 3, 5-6, 9, New England.

Pholus achemon (Drury)

Schaffner and Griswold, 1934: 23, 115; Webber and Schaffner, 1926: 3, 9, New England.

Pholus satellitia pandorus (Hübner)

Schaffner and Griswold, 1934: 23, 115.

Smerinthus cerisyi Kirby

Schaffner and Griswold, 1934: 21, 115, Maine.

Smerinthus jamaicensis (Drury)

Schaffner and Griswold, 1934: 20, 115 (ex *S. geminatus* Say).

Sphecodina abbottii Swainson

Schaffner and Griswold, 1934: 24, 115; Webber and Schaffner, 1926: 3, 10, New England.

Sphinx chersis (Hübner)

Schaffner and Griswold, 1934: 18, 115 (ex *Hyloicus*).

Sphinx drupiferarum J. E. Smith

Schaffner and Griswold, 1934: 20, 115 (ex *Hyloicus*).

Sphinx gordius Cramer

Webber, 1937: 144-149 (lab.); Schaffner and Griswold, 1934: 19, 115 (ex *Hyloicus*); Webber and Schaffner, 1926: 3, 5-6, 10, New England.

Unidentified Spingidae

Schaffner, 1934: 589-590; Schaffner and Griswold, 1934: 26, 115; Webber and Schaffner, 1926: 3, 10, New England.

Tortricidae

Archips argyrospilus (Walker)

Paradis and LeRoux, 1965: 44, 46, 49-50, fig. 14F, Que.;
Paradis, 1961: 63, Que.

Archips cerasivoranus (Fitch)

Schaffner, 1959: 30, 50, [N.E. U.S.].

Choristoneura fumiferana (Clemens)

Dowden, Buchanan and Carolin, 1948: 459 (ex *Archips*, lab.).

Unidentified Lepidoptera

Cabbage worm(-s)

O'Kane, 1916: 132, N.H.

Miscellaneous

Crossman and Webber, 1924: 67, 69, Mass.; Philbrook, 1918: 60, Maine (ex injurious caterpillars).

STAGE PARASITIZED: Egg (Lepidoptera [Pouillaude, 1913: 82-83]), larva (Hymenoptera, Lepidoptera), pupa (Lepidoptera).

IMMATURES: First instar larva — Culver, 1919: (descr., figs. 1, 5).

Second instar larva — Culver, 1919: (descr., fig. 6).

Third instar larva — Culver, 1919: (descr., fig. 7).

Pupa — Paradis and LeRoux, 1965: (fig. 14F); Ross, 1953: (descr., fig. 8); Burgess and Crossman, 1929: (fig. 24); Culver, 1919: (descr., fig. 8, fig. 2 on pl. 1); McLaine, 1916: (fig. 4); O'Kane, 1916: (pl. 4); Burgess, 1915a: (fig. 2 on pl. 3); Howard and Fiske, 1911: (fig. 1 on pl. 20); Thompson, 1910: (descr.).

BIOLOGY: Paradis and LeRoux, 1965: (44, 46, 49-50); Beirne, 1962: (19); Dowden, 1962: (30, 32, 34, 43-45, 54); Evans, 1962: (597); Schaffner, 1959: (6-8, 19, 30, 50); Clausen, 1956: (6-7, 63, 97-98); Franklin, 1950: (57, 60); Sellers, 1943: (56); Sweetman, 1936: (121-123, 221, 269); Dowden, 1935: (509); Proper, 1934: (369-371, 375-376); Schaffner, 1934: (588-592); Schaffner and Griswold, 1934: (115); Burgess and Crossman, 1929: (52-67, 142); Burgess and Crossman, 1927: (16-18); Webber and Schaffner, 1926: (3, 5-6, 9-10, 20, 24); Burgess, 1924: (34-35); Culver, 1919: (1-27); Tothill, 1922: (9, 29, 36-43, 107); Smith, H. E., 1917: (57-58); McLaine, 1916: (22, 24); Burgess, 1915: (85); Tothill, 1913a: (57); Howard and Fiske, 1911: (218-225, 308); Thompson, 1910: (292).

Compsilura "concinati," see *Compsilura concinnata*

Compsilura "conncinata," see *Compsilura concinnata*

Compsilura oppugnator, see *Eucelatoria australis*

Compsilura [sp.], see *Compsilura concinnata* or *Compsilura* sp. probably

Compsilura sp. probably

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma disstria Hübner

Hawboldt, 1944: 23, N.B.; Reeks, 1943: 213, N.B.

STAGE PARASITIZED: Larva

"*Compsiluria*" *concinata*, see *Compsilura concinnata*

"*Consilura* *opugnator*," see *Eucelatoria australis*

Copecrypta Townsend (Tachininae: Cuphocerini)

Copecrypta ruficauda (Wulp)

HOST: LEPIDOPTERA

Noctuidae

Ogdoconta cinereola (Guenée)

Chittenden, 1923a: 156, D.C. (as *Cuphocera*).

Plathypena scabra (Fabricius)

Hill, 1925: 17, fig. 15, Miss., Mo., N.C., Tenn. (as *Trichophora*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Hill, 1925: (fig. 15); Greene, 1922: (descr., fig. 97 on pl. 20).

BIOLOGY: Hill, 1925: (17)

Copecrypta sp.

HOST: LEPIDOPTERA

Aegeriidae

Sylvora acerni (Clemens)Brauer and Bergenstamm, 1895: 552, 581, N. Amer. (as
Elachipalpus ex Sesia).**Coquillettina plankii**, see *Hemithrixion plankii***Coronimyia Townsend** (Goniinae: Siphonini)**Coronimyia geniculata Townsend**

HOST: LEPIDOPTERA

Pyralidae

Moodna ostrinella (Clemens)

Reinhard, 1946: 91, Ont.

Unidentified Phycitinae

Reinhard, 1946: 91, N.C. (ex phycid in dried peach).

Pyralidae or Tortricidae

Unidentified Pyralidae or Tortricidae

Reinhard, 1946: 91, Miss.; Allen, 1929: 684, Miss. (as
Epigrimyia).

STAGE PARASITIZED: Larva.

Coronimyia melitarae Reinhard

HOST: LEPIDOPTERA

Pyralidae

Melitara sp.

Reinhard, 1946: 92, Calif.

Crossocosmia sericariae, see *Blepharipa schineri***Cryptomeigenia Brauer and Bergenstamm** (Goniinae: Blondeliini)**Cryptomeigenia aurifacies Walton**

HOST: COLEOPTERA

Scarabaeidae

Chemarachis vandinei (Smyth)Most records ex *Phyllophaga vandinei*.Martorell, 1945a: 431-432, P.R. (as *Emphanopteryx*);Wolcott, 1924: 221, P.R. (ex *Lachnosterna*); Smyth,

1917: 82, 86-87, pl. 7, P.R.; Smyth, 1917a: 151, P.R.

Lachnosterna crenaticollis Blanchard probably

Walton, 1913: 200, P.R. (ex *L. "crenatocollis"* probably).

Phyllophaga portoricensis Smyth

Wolcott, 1933: 186, P.R.; Wolcott, 1924: 221, P.R. (ex *Lachnosterna*); Smyth, 1917: 86, pl. 7, P.R.; Smyth, 1917a: 151, P.R.

Phyllophaga spp.

Most records ex *Lachnosterna* spp.

Wolcott, 1951a: 473-474, P.R.; Wolcott, 1935: 449, P.R.;
Wolcott, 1924a: 27, P.R.; Wolcott, 1922: 15-16, P.R.;
Van Zwaluwenburg, 1917: 517, P.R. (ex *Phyllophaga*);
Van Dine, 1913a: 37, P.R.; Van Dine, 1913b: 200, P.R.

Scarabaeid spp. (including *Phyllophaga* spp. or *Phytalis* spp.)

Smyth, 1917: 55-56, pl. 7, P.R. (ex white grubs).

STAGE PARASITIZED: Adult.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 55 on pl. 12);
Smyth, 1917: (pl. 7).

BIOLOGY: Wolcott, 1951a: (473-474); Martorell, 1945a: (431-432); Wolcott, 1935: (449); Smyth, 1917: (82, 86-87).

***Cryptomeigenia prisca* (Walker)**

HOST: COLEOPTERA

Scarabaeidae

May beetle(-s)

Johnson, 1925: 185, Maine, Mass., N.H. (as *Emphanopteryx*).

***Cryptomeigenia simplex* Curran**

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga spp.

Hammond, 1945: 159, Ont.

***Cryptomeigenia theutis* (Walker)**

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga crassissima (Blanchard)

Hayes, 1920: 317, Kans. (ex *Lachnosterna*).

Phyllophaga crenulata (Frölich)

Hayes, 1920: 317, Kans. (ex *Lachnosterna*).

Phyllophaga futilis (LeConte)

Hayes, 1920: 317, Kans. (ex *Lachnosterna*).

Phyllophaga implicita (Horn)

Hayes, 1920: 317, Kans. (ex *Lachnosterna* "implicata").

Phyllophaga inversa (Horn)

All records ex *Lachnosterna inversa*.

Walton, 1913: 198, D.C.; Johnson, 1910: 775, N.J.;

Chittenden, 1899: 79; Coquillett, 1897: 11, 23, D.C.

Phyllophaga rugosa (Melsheimer)

Hayes, 1920: 317, Kans. (ex *Lachnosterna*).

Phyllophaga spp.

Hammond, 1945a: 159, Ont.; Hammond, 1934: 66, Que. (ex June beetle); Hammond, 1934b: 130, Que. (ex June beetles); Criddle, 1918: 454, Man. (ex *Lachnosterna*); Davis, J. J., 1918: 14 (ex *Lachnosterna*); Smyth, 1917: 59, U.S.; Davis, J. J., 1916: 271, N.E. U.S. (ex *Lachnosterna*); Aldrich, 1915: 83 (ex *Lachnosterna*); Shannon, 1914: 182, Md. (ex *Lachnosterna*).

STAGE PARASITIZED: Adult.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 53 on pl. 12).

BIOLOGY: Hammond, 1934: (66); Hammond, 1934b: (130);

Criddle, 1918: (454).

Cryptomeigenia triangularis Curran

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga spp. (including *P. anxia* (LeConte) and/or *P. fusca* (Frölich))

Hammond, 1945b: 159, Ont.

Cryptomeigenia spp.

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga anxia (LeConte)

Hammond, 1936a: 84 (ex white grub); Hammond, 1934a: 99, Que. (ex common white grub).

Phyllophaga spp.

Hammond, 1941: 186-187, Ont., Que. (ex June beetles);

Hammond 1936a: 84, Ont. (ex June beetles);

Hammond, 1934c: 130, Que. (ex June beetles).

May beetle(-s)

Hooker, 1913: 35, P.R.

HOST: HYMENOPTERA

Diprionidae

Diprionid spp. (including *Diprion* spp. and/or *Neodiprion* spp.)

Brauer and Bergenstamm, 1895: 552, 597 (as *Eumyothyria* ex *Lophyrus*).

STAGE PARASITIZED: Larva (Coleoptera), adult (Coleoptera).

BIOLOGY: Hammond, 1936a: (84); Hammond, 1934c: (130).

Ctenophorocera sp., see *Pales* spp.

Cuphocera miscelli, see *Deopalpus miscelli*

Cuphocera parksi, see *Deopalpus parksi*

Cuphocera ruficauda, see *Copecrypta ruficauda*

Cylindromyia Meigen (Phasiinae: Cylindromyiini)

Cylindromyia armata Aldrich

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Chlorochroa sayi Stål

Strand, 1937: 26, Mont. (ex Say's plant bug).

Cylindromyia binotata (Bigot)

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Euschistus servus (Say)

Rolston and Kendrick, 1961: 156, Ark.

Euschistus variolarius (Palisot de Beauvois)

Rings and Brooks, 1958: 15-16, Ohio.

HOST: LEPIDOPTERA

Saturniidae

Actias luna (Linnaeus)

Fattig, 1949: 14, Ga.

STAGE PARASITIZED: Pupa (Lepidoptera), adult (Hemiptera).

BIOLOGY: Rolston and Kendrick, 1961: (156).

Cylindromyia "carolinae (Robineau-Desvoidy)"

All records as *Ocyptera carolinae*.

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

Johnson, 1910: 779, N.J. (ex *Leucania*).

HOST: ORTHOPTERA

Acrididae

Grasshopper(-s)

Aldrich, 1915: 82.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 20 on pl. 5).

Cylindromyia euchenor (Walker)

Most records as *Ocyptera euchenor*.

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Chlorochroa ligata (Say)

Russell, E. E., 1952: 15, Ariz. (as *Cylindromyia*).

Chlorochroa sayi Stål

Russell, E. E., 1952: 15, Ariz. (as *Cylindromyia*).

Pentatomid spp. (including *Euschistus ictericus* (Linnaeus),
Mormidea pictiventris Stål, *Nezara viridula* (Linnaeus)
and/or *Oebalus pugnax* (Fabricius))

Thames, 1954: 236, Fla. (as *Cylindromyia* ex pentatomids,
E. ictericus, *M. pictiventris*, "Nezera" *viridula* and/or
Solubea pugnax).

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

All records ex *Leucania unipuncta*.

Lintner, 1897: 210; *Brauer and Bergenstamm, 1895: 565,
596 (Townsend, 1893); Townsend, 1893: 466, Ill.

HOST: ORTHOPTERA

Acrididae

Unidentified Acrididae

*Brauer and Bergenstamm, 1895: 565, 580 (ex *Acridiodea*
G[enus], Townsend, 1893); Townsend, 1893: 466, Ill.

STAGE PARASITIZED: Larva (Lepidoptera), adult (Hemiptera).

Cylindromyia fumipennis (Bigot)

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Euschistus variolarius (Palisot de Beauvois)

Rings and Brooks, 1958: 15-16, Ohio.

STAGE PARASITIZED: Adult.

Cyrtophleba Rondani (Tachininae: Voriini)

Cyrtophleba coquilletti Aldrich

All records as *Cyrtophloeoba coquilletti*.

HOST: LEPIDOPTERA

Noctuidae

Epiglaea apiata (Grote)

Schaffner and Griswold, 1934: 50, 108, Mass.

Eupsilia spp. (including *E. morrisoni* (Grote) and/or *E. sidus* (Guenée))

Schaffner and Griswold, 1934: 50-51, 108 (ex *Conistra* spp. (including *C. morrisoni* and/or *C. sidus*)).

Unidentified Noctuidae

Schaffner and Griswold, 1934: 72, 108, Mass.

BIOLOGY: Schaffner and Griswold, 1934: (108).

Cyrtophloeoba coquilletti, see *Cyrtophleba coquilletti*

"*Cyzenia*" *albicans*, see *Cyzenis albicans*

Cyzenis Robineau-Desvoidy (Goniinae: Eryciini)

Cyzenis albicans (Fallén)

HOST: LEPIDOPTERA

Geometridae

Alsophila pometaria (Harris)

Embree and Sisojevic, 1965: 634, N.S. (unsuccessful lab. rearing).

Operophtera bruceata (Hulst)

Embree and Sisojevic, 1965: 631, 634, N.S. (lab.).

Operophtera brumata (Linnaeus)

Embree, 1966: 1159-1167, N.S.; Embree, 1965: 5, 21, 41, 51, 53-54, N.S.; Embree and Sisojevic, 1965: 631-639, N.S.; Cuming, 1964: 38, N.S. (ex winter moth); Embree, 1964: 40, N.S. (ex winter moth); Williamson, 1963: 139, 145, 147, N.S.; MacPhee, 1962: 106, N.S. (as "*Cyzenia*" ex winter moth); Maybee and Wylie, 1961: 851-855, Canada; Embree, 1960: 862-864, N.S.; Anon., 1958b: 139, N.S.; Graham, 1958: 595-596, N.S.; Anon., 1957a: 176, N.S.; Anon., 1956a: 198, N.S.; Anon., 1956b: 284, N.S.

Lasiocampidae

Malacosoma americanum (Fabricius)

Embree and Sisojevic, 1965: 634, N.S. (unsuccessful lab. rearing).

Olethreutidae

Pseudexentera improbana (Walker)

Embree and Sisojevic, 1965: 634, N.S. (ex *P. cressoniana* Clemens, unsuccessful lab. rearing).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Embree, 1966: (1159-1167); Embree, 1965: (5, 21, 41, 51, 53-54); Embree and Sisojevic, 1965: (631-639); Maybee and Wylie, 1961: (851-855); Embree, 1960: (862-864); Anon., 1956b: (284).

"*Cyzenis festinans* (Aldrich and Webber)" probably

HOST: LEPIDOPTERA

Olethreutidae

Pseudexentera improbana oregonana (Walsingham)

Wong, H. R., and Melvin, 1967: 4, Man. (ex *Pseudexentera oregonana*).

STAGE PARASITIZED: Larva.

Cyzenis spp.

HOST: LEPIDOPTERA

Olethreutidae

Pseudexentera improbana oregonana (Walsingham)

Wong, H.R., and Melvin, 1967: 4, Man. (ex *Pseudexentera oregonana*).

STAGE PARASITIZED: Larva.

Dejeaniopalpus Townsend (Dexiinae: Leskiini)

Dejeaniopalpus texensis Townsend

HOST: LEPIDOPTERA

Pyralidae

Desmia funeralis (Hübner)

James, M. T., 1947: 108, D.C., Va.

Pyrausta spp. probably

All records ex *Botys* sp.

James, M. T., 1947: 108; Aldrich, 1924: 213, Va. (as *Genea*).

Tortricidae

Leaf roller(-s)

James, M. T., 1947: 108, Pa. (ex leaf roller on *Helianthus*).

STAGE PARASITIZED: Larva.

Deopalpus Townsend (Tachininae: Cuphocerini)

Deopalpus miscelli (Coquillett)

HOST: LEPIDOPTERA

Noctuidae

Catabena lineolata Walker

All records ex *Adisophanes miscellus* (Grote).

*Reinhard, 1934a: 50, Calif. (as *Cuphocera*, Coquillett, 1897); Coquillett, 1897: 21, 23, Calif. (as *Trichophora*).

Deopalpus parksi (Reinhard)

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Miscellaneous

Reinhard, 1934a: 52, Tex. (as *Cuphocera*).

STAGE PARASITIZED: Larva.

Dexia Meigen (Dexiinae: Dexiini)

Dexia limata (Coquillett)

HOST: DIPTERA

Tipulidae

Unidentified Tipulidae

Johnson, 1925: 188, Mass. (as *Neadmontia*).

STAGE PARASITIZED: Larva.

Dexia ventralis, see *Dexilla ventralis*

Dexia vertebrata, see *Zelia vertebrata*

Dexilla Westwood (Proseninae: Dexillini)

Dexilla ventralis (Aldrich)

Most records as *Dexia ventralis*.

HOST: COLEOPTERA

Scarabaeidae

Maladera castanea (Arrow)

Smith, L. B., 1929: 125, N.J. (ex Asiatic beetle).

Phyllophaga spp.

Hadley, 1938: 211, U.S. (lab.).

Popillia japonica Newman

Fleming, 1963: 25, N.J. (as *Dexilla*); Clausen, 1956: 6, 23, 102, N.J. (as *Dexilla*); King and Parker, 1941: 127, 131, N.J. (ex Japanese beetle); Gardner and Parker, 1940: 3,

8-10, 32, U.S.; King, 1939: 25, N.J. (ex Japanese beetle); Hadley, 1938: 211, N.J.; Sweetman, 1936: 124-126, 243, 259, fig. 105b, N. Amer.; Burrell, 1931: 323-336, fig. 7, N.J.; King, 1931: 453, 459-460, N.J.; King, 1930: 160, N.J.; Smith, L. B., 1930: 500, U.S. (ex Japanese beetle); Smith, L. B., 1929: 125, N.J. (ex Japanese beetle); Clausen, King and Teranishi, 1927: 4, 26-31, 54, figs. 14A, 20A-E, 21B, non-N. Amer.

STAGE PARASITIZED: Larva.

IMMATURES: First instar larva — Sweetman, 1936: (fig. 105b); Clausen, King and Teranishi, 1927: (descr., figs. 20A-E).

Third instar larva — Burrell, 1931: (fig. 7); Clausen, King and Teranishi, 1927: (descr., fig. 21B).

Pupa — Clausen, King and Teranishi, 1927: (descr., fig. 14A).

BIOLOGY: Clausen, 1956: (6, 23, 102); King and Parker, 1941: (127, 131); King, 1939: (25); Sweetman, 1936: (124-126, 243, 259); Burrell, 1931: (323-336); King, 1931: (453, 459-460); King, 1930: (160); Smith, L. B., 1930: (500).

Dexodes aurifrons, see *Oswaldia aurifrons*

Dexodes chaetoneura, see *Aporotachina chaetoneura*

Dexodes tenella, see *Lydellohoughia tenella*

Dexodes sp. (= ? *Masicera luctuosa*), see *Oswaldia* sp. probably

Dichaetoneura Johnson (Goniinae: Siphonini)

Dichaetoneura leucoptera Johnson

HOST: LEPIDOPTERA

Nymphalidae

Nymphalis antiopa (Linnaeus)

Knowlton and Hanson, 1949: 3, Utah (ex "*Euvanesia*").

Oecophoridae

Depressaria pastinacella (Duponchel)

All records ex *Depressaria heracliiana* (Linnaeus).

Schaffner, 1959: 39, 50, [N.E. U.S.]; Thompson, 1953a: 391-392, fig. 1 (ex *D. "heracleana"*); Leonard, 1920: 491-492, N.Y.

Olethreutidae

Epiblema strenuanum (Walker)

Putman, 1935a: 107, Ont. (as *Phytomyptera*).

Grapholitha molesta (Busck)

Allen, 1962: 13, 112, Md.

Tortricidae

Archips cerasivoranus (Fitch)

Allen, 1962: 12; Schaffner, 1959: 30, 50, [N.E. U.S.]; Thompson, 1953: 19-30, pls. 1-3; Thompson, 1953a: 391-392, fig. 1; Raizenne, 1952: 210, Ont.; *Procter, 1946: 435, Maine (as *Phytomyptera*, Procter, 1938); Beaulne, 1939: 120, Que. (as "*Phytomyptera*"); Beaulne, 1939a: 95, Que. (as *Phytomyptera* ex "*Caecacia*"); Daviault, 1939: 184, [Que.] (as *Phytomyptera* ex *Cacoecia*); Procter, 1938: 376, Maine (as *Phytomyptera*); Putman, 1935a: 108, Ont. (as *Phytomyptera* ex *Cacoecia*); Greene, 1934: 29-30, Conn., Maine, N.H., probably N.Y.; Johnson, 1927: 198, Maine; Johnson, 1925: 187, Conn., Maine, Mass., N.H., Vt.; Leonard, 1920: 492, Maine, Mass., N.Y.; Baird, 1918: 768, probably Alta. or N.B.; Gibson, 1916: 216, Ont.; Johnson, 1916: 81, Vt.; Herrick, 1912: 291, N.Y.; Johnson, 1907: 9-10, Maine, Mass.; Patch, 1907: 265, Maine.

Archips fervidanus (Clemens)

Strohecker and Yackley, 1963: 1354, Pa.; Schaffner, 1959: 29, 50, [N.E. U.S.]; *Procter, 1946: 435, Maine (as *Phytomyptera* ex *A. "fervadana,"* Procter, 1938); Procter, 1938: 376, Maine (as *Phytomyptera* ex *A. "fervadana"*); Johnson, 1927: 198, Maine (ex *A. "fervadana"*); Johnson, 1925: 187, Conn., Maine, Mass., N.H., Vt. (ex *A. "fervadana"*); Leonard, 1920: 492, Maine; Patch, 1907: 265, Maine.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: First instar larva — Thompson, 1953: (descr., figs. 1-2 on pl. 1, figs. 11-13 on pl. 3); Thompson, 1953a: (descr., fig. 1).

Second instar larva — Thompson, 1953: (descr., fig. 4 on pl. 2, fig. 14 on pl. 3).

Third instar larva — Thompson, 1953: (descr., figs. 5-7 on pl. 2, fig. 15 on pl. 3).

Pupa — Thompson, 1953: (descr., fig. 17 on pl. 3); Greene, 1922: (descr., fig. 77 on pl. 16).

BIOLOGY: Allen, 1962: (12-13, 112); Schaffner, 1959: (29-30, 39, 50); Thompson, 1953: (19-30); Baird, 1918: (768).

Didyma Wulp (Goniinae: Blondeliini)

Didyma exigua, see *Didyma exigua* or *Hyphantrophaga hyphantriae*

Didyma exigua Wulp

HOST: LEPIDOPTERA

Pyralidae

Acrobasis caryae Grote

Gill, 1930: 72 (ex pecan nut case-bearer).

Ostrinia obliteralis (Walker)

Rowe, 1933: 122, Ill. (ex "*Pipausta ainslei*" Heinrich).

Didyma inconspicua, see *Paralispe infernalis*

Digonichaeta setipennis, see *Bigonicheta spinipennis*

Digonochaeta setipennis, see *Bigonicheta spinipennis*

Digonochaeta sp., see *Bigonicheta spinipennis*

Dinera Robineau-Desvoidy (Proseninae: Prosenini)

Dinera grisescens (Fallén) probably

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga spp.

Criddle, 1918: 454, Man. (as *Myiocera "cremiodes"* (Walker)
ex *Lachnosterna*).

STAGE PARASITIZED: Larva.

Diplostichus Brauer and Bergenstamm (Goniinae: Exoristini)

Diplostichus hamata, see *Diplostichus lophyri*

Diplostichus lophyri (Townsend)

HOST: HYMENOPTERA

Diprionidae

Diprion frutetorum (Fabricius)

Raizenne, 1957: 24, Ont. (as *Neophorocera hamata* (Aldrich
and Webber)).

Diprion hercyniae (Hartig)

Bird and Burk, 1961: 235, Ont. (as *D. hamatus*); Finlayson,
T., 1960a: 923, 937, Que. (as *D. hamatus*); Raizenne,
1957: 24, Ont. (as *Neophorocera hamata*); Daviault,
1944: 40, Que. (as *Phorocera hamata* ex *G[ilpinia]*);
Daviault, 1941: 15, Que. (as *Phorocera hamata* ex
[European spruce sawfly]).

Diprion polytomum (Hartig)

Reeks, 1938: 26, N.B. (as *Phorocera hamata*).

Diprion similis (Hartig)

Finlayson, T., 1962: 273, 280, Canada (as *D. hamatus*); Johnson, 1925: 198, Conn., Mass. (as *Phorocera hamata*); Aldrich and Webber, 1924: 63, Conn. (as *Phorocera hamata*); Hartley, 1923: 386, Pa. (as *Exorista petiolata* Coquillett); Britton and Zappe, 1918: 283, Conn. (as *Exorista petiolata*); Britton, 1916: 282, Conn. (as *Exorista petiolata*); Britton, 1916a: 122, Conn. (as *Exorista petiolata*).

Neodiprion abbotii (Leach)

Finlayson, T., 1963: 476, 502 (as *D. hamatus*); Patton, 1958: 80, Fla. (as *Phorocera hamata* ex *N. fabricii* (Leach)); Raizenne, 1957: 21, Ont. (as *Neophorocera hamata*).

Neodiprion abietis (Harris)

Finlayson, T., 1963: 477, 502 (as *D. hamatus*); *Brauer and Bergenstamm, 1895: 569, 597 (as (*Phorocera*) ex *Lophyrus*, Townsend, 1892a); Townsend, 1892a: 289, Ont. (as *Phorocera* ex *Lophyrus*).

Neodiprion abietis (Harris) complex

Raizenne, 1957: 13, Ont. (as *Neophorocera hamata*).

Neodiprion lecontei (Fitch)

Finlayson, T., 1963: 479, 502 (as *D. hamatus*); Griffiths, 1961: 196-197, Ont. (as *D. hamatus*); Raizenne, 1957: 19-20, Ont., Que. (as *Neophorocera hamata*); Benjamin, 1955: 20, 23-24, 53, Ill., Mich., Que. (as *Phorocera hamata*); Boyes and Wilkes, 1953: 126, 150 (as *Neophorocera hamata*); Daviault, 1953: 181-184, Que. (as *Neophorocera hamata*); Baldwin, W.F., and Coppel, 1949: 222-223, fig. 1, Canada (as *Phorocera hamata*); Baldwin, W. F., and Coppel, 1949a: 237-245, figs. 1-14, Ont. (as *Phorocera hamata*); Baird, 1944a: 157, Ont. (as *Neophorocera hamata*); Daviault, 1942: 397, Que. (as *Phorocera hamata*).

Neodiprion nanulus nanulus Schedl

Finlayson, T., 1963: 480, 502 (as *D. hamatus*); Kapler and Benjamin, 1960: 262, Wis. (as *Phorocera hamata*); Raizenne, 1957: 13, Ont. (as *Neophorocera hamata*); Coppel, 1954: 168, Ont. (as *Neophorocera hamata* ex *N. nanulus*); Baldwin, W. F., and Coppel, 1949a: 237-245, figs. 1-14, Ont. (as *Phorocera hamata* ex *N. nanulus*).

Neodiprion nigroscutum Middleton

Becker, Jr., and Benjamin, 1967: 158-159, Wis. (as *D. hamata*); Becker, Jr., and Benjamin, 1964a: 20, Wis. (as *D. hamata*).

Neodiprion pinetum (Norton)

Finlayson, T., 1963: 482, 502 (as *D. hamatus*); Raizenne, 1957: 21, Ont. (as *Neophorocera hamata*).

Neodiprion pratti banksianae Rohwer

Finlayson, T., 1963: 483, 502 (as *D. hamatus*); Griffiths, 1960: 654-656, Ont. (as *D. hamatus*); Raizenne, 1957: 15, Ont. (as *Neophorocera hamata*); Baldwin, W. F., and Coppel, 1949: 222-223, fig. 1, Canada (as *Phorocera hamata* ex *N. banksianae*); Baldwin, W. F., and Coppel, 1949a: 237-245, figs. 1-14, Ont. (as *Phorocera hamata* ex *N. banksianae*).

Neodiprion pratti pratti (Dyar)

Bobb, 1963: 619-620, Va. (as *Phorocera hamata*).

Neodiprion rugifrons Middleton

Wilkinson, R. C., Becker, and Benjamin, 1966: 791, Wis. (as *D. hamata*); Raizenne, 1957: 22, Ont. (as *Neophorocera hamata*).

Neodiprion sp. near *scutellatis* Rohwer

Smith, 1962: 189, Idaho (as *Phorocera hamata* ex *N.* near "*scutellaris*").

Neodiprion sertifer (Geoffroy)

Lyons, 1964: 21 (as *D. hamatus*); Finlayson, T., 1960: 24, 42, figs. 21, 24, Ont. (as *D. hamata*); Finlayson and Finlayson, 1958: 223-224, Ont. (as *Neophorocera hamata*); Raizenne, 1957: 14, Ont. (as *Neophorocera hamata*).

Neodiprion swaini Middleton

Becker, Jr., and Benjamin, 1964: 356, Wis. (as *D. hamatus*); Finlayson, T., 1963: 484, 502 (as *D. hamatus*); Raizenne, 1957: 12, Que. (as *Neophorocera hamata*).

Neodiprion swaini Middleton probably

Martineau, 1959: 230, Que. (as *D. hamatus* ex *N. swaini*).

Neodiprion taedae linearis Ross

Warren, L. O., and Coyne, 1958: 20, Ark. (as *Phorocera* "*namata*").

Neodiprion virginiana Rohwer complex

Finlayson, T., 1963: 485, 502 (as *D. hamatus*).

Neodiprion spp.

Dahlsten, 1961: 193-194, Calif. (as *D. hamatus*); Patton, 1958: 80, Fla. (as *Phorocera hamata*); Anon., 1953c: 137, B.C. (as *Neophorocera hamata*); Greene, 1921: 43, Conn. (as *Exorista petiolata*).

Neodiprion sp. probably

Patton, 1958: 80, Fla. (as *Phorocera hamata*).

Diprionid spp. (including *Diprion* spp. and/or *Neodiprion* spp.)
Coquillett, 1897: 14, 22, Va. (as *Exorista petiolata* ex
Lophyrus).

Tenthredinidae

Pikonema spp.

Anon., 1953c: 137, B.C. (as *Neophorocera hamata*).

Pristiphora erichsonii (Hartig)

*Drooz, 1960: 34, Canada (as "*Neophorocera*" *hamata*,
Graham, 1955); Raizenne, 1957: 30, Ont. (as
Neophorocera hamata); Graham, 1955: 66 (as
Neophorocera hamata).

Pristiphora geniculata (Hartig)

Raizenne, 1957: 30, Ont. (as *Neophorocera hamata*).

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma americanum (Fabricius)

Raizenne, 1952: 101, Ont. (as *Neophorocera hamata*).

STAGE PARASITIZED: Larva (Hymenoptera), pupa
(Hymenoptera).

IMMATURES: Egg — Baldwin, W.F., and Coppel, 1949a: (descr.,
figs. 1-2).

First instar larva — Baldwin, W.F., and Coppel, 1949a: (descr.,
figs. 3-6).

Second instar larva — Baldwin, W.F., and Coppel, 1949a:
(descr., fig. 7).

Third instar larva — Finlayson, T., 1963: (descr.); Finlayson,
T., 1962: (descr.); Finlayson, T., 1960: (descr., fig. 21);
Finlayson, T., 1960a: (descr.); Baldwin, W.F., and Coppel,
1949a: (descr., figs. 8-10).

Pupa — Finlayson, T., 1960: (descr., fig. 24); Baldwin, W.F.,
and Coppel, 1949: (descr., fig. 1); Baldwin, W.F., and
Coppel, 1949a: (descr., figs. 11-14).

BIOLOGY: Bobb, 1963: (619-620); Dahlsten, 1961: (193-194);
Finlayson, T., 1960a: (923, 937); Daviault, 1953: (181-184).

Diplostichus sp. near *lophyri* (Townsend)

HOST: HYMENOPTERA

Diprionidae

Neodiprion abietis (Harris) complex

Struble, 1957a: 312, Calif. (as *Phorocera* sp., near *hamata*
Aldrich and Webber).

STAGE PARASITIZED: Larva.

Diplostichus sellersi Hall

HOST: HYMENOPTERA

Diprionidae

Neodiprion tsugae Middleton

Furniss and Dowden, 1941: 49-50, Oreg.; Hall, 1939: 243, Oreg.

Neodiprion spp.

Hall, 1939: 243, Calif.

STAGE PARASITIZED: Larva.

Dipterous larva [*Celatoria crawii*], see *Celatoria diabroticae*

Doryphorophaga Townsend (Goniinae: Blondeliini)

Doryphorophaga aberrans, see *Adoryphorophaga aberrans*

Doryphorophaga australis Reinhard

HOST: COLEOPTERA

Chrysomelidae

Leptinotarsa decemlineata (Say)

Kelleher, 1966: 1059, Man.; Reinhard, 1935b: 390, Tex.

Leptinotarsa defecta Stål

Reinhard, 1935a: 390, Tex.

Chrysomelid spp. (including *Lema trilineata* (Olivier) and/or *Leptinotarsa decemlineata* (Say))

Patton, 1958: 36, Fla. (ex potato beetle).

STAGE PARASITIZED: Larva.

Doryphorophaga dorsalis, see *Myiopharus dorsalis*

Doryphorophaga "dorypharae," see *Doryphorophaga doryphorae*

Doryphorophaga doryphorae (Riley)

HOST: COLEOPTERA

Chrysomelidae

Leptinotarsa decemlineata (Say)

Williamson, 1969: 16, Ont.; Williamson, 1968: 16, Ont.; Kelleher, 1966: 1059-1061, Man.; Anon., 1964a: 388, Wash.; Landis, 1963: 714, Wash. (as *D. "dorypharae"*); Kelleher, 1960: 122, Man.; MacNay, 1960: 221, Man. (ex Colorado potato beetle); MacNay, 1960a: 1083, Man.; Anon., 1958a: 134, Man.; Maybee, 1958: 312, Man. (ex *L. "decimlineata"*); Anon, 1957b: 259, Man.; Anon., 1957c: 273, Ont.; Anon., 1954d: 250, Man.;

Neilson, 1954: CC67, B.C. (as *Phorocera*); Anon., 1953b: 135, B.C. (ex Colorado potato beetle); Handford and Neilson, 1953: 6, B.C.; Anon., 1952c: 204, Man.; Bird, R. D., and Mitchener, 1952: 47, Man.; MacNay, 1952: 318, B.C. (ex Colorado potato beetle); Bird, R. D., and Mitchener, 1951: 50, Man.; Fattig, 1949: 15, Ga. (ex *L. "decimlineata"*); Bird, R. D., and Mitchener, 1947: 37, Man.; Hammond, 1947: 37, Ont.; Munro and Telford, 1943: 9, N. Dak.; Drake, 1942: 171, Iowa; Munro, 1939: 563, N. Dak.; Bird, R. D., and Mitchener, 1938: 49, Man. (as *D. "doryphorea"*); Bird, R. D., and Mitchener, 1937: 44, Man. (as *D. "doryphorea"*); Bruneau, 1937: 117-119, 128-134, fig. 6, N.Y. (ex *Doryphora*); Feytaud, 1937: 64-65; Strickland, 1937: 449-450, Alta.; Feytaud, 1936: 26-27, U.S. (ex *Doryphora*); Hammond, 1936: 38, Ont.; Landis, 1936: 284, Ohio; Allen, 1929: 687, Miss.; Lochhead, 1919: 309 (as *Lydella*); Smith, H. E., 1918: 123, U.S.; Caesar, 1916: 32-33, Ont. (as *Phorocera* ex Colorado potato beetle); Britton, 1915a: 186, 190, Conn. (ex Colorado potato beetle); Sanderson, 1913: 294, Mo. (as *Lydella*); Townsend, 1912b: 164, N. and E. U.S. to Mo.; Conradi, 1907: 33-34, Tex. (as *Lydella* ex *L. 10-lineata*); Coquillett, 1897: 19, 23, Md. (as *Phorocera* ex *Doryphora 10-lineata*); Brauer and Bergenstamm, 1895: 558, 591 (as *Lydella* ex *Doryphora*); Fuller, 1880: 190 (as *Lydella* ex Colorado potato beetle); Brodie, 1878: 9-10, Ont. (as *Lydella "doryphora"* ex *Doryphora 10-lineata*); Riley, 1877: 40 (as *Lydella* ex *Doryphora 10-lineata*); Riley, 1876a: 52-53, N. Cent. U.S., N.E. U.S. (as *Lydella* ex *Doryphora 10-lineata*); Riley, 1875a: 769 (as *Lydella "doryphora"* ex *Doryphora 10-lineata*); Riley, 1875b: 706, U.S. (as *Lydella* ex "*doryphora*"); Reed, 1872: 71, 74 (as *Lydella* ex *Doryphora 10-lineata*); LeBaron, 1871a: 64-65, Ill. (as *Lydella* ex *Doryphora 10-lineata*); Packard, 1869: 408 (as *Tachina* ex Colorado potato beetle); Riley, 1869: 111-112, Mo. (as *Lydella* ex "*Doryphorae*" *10-lineata*); Walsh and Riley, 1868: 46, Ill. (as *Lydella* [sp.] ex *Doryphora 10-lineata*).

Chrysomelid spp. (including *Lema trilineata* (Olivier) and/or *Leptinotarsa decemlineata* (Say))

All records ex potato beetle.

*Procter, 1946: 431, Maine (Procter, 1938); Procter, 1938: 373, [Maine]; Strickland, 1938: 217, Alta.; Briand,

1936: 32, 34, Ont.; Johnson, 1927: 201, Maine; Johnson, 1925: 199, Conn., Maine, Mass., N.H.; Johnson, 1910: 780, N.J. (as *Phorocera*); Reed, 1883: 52 (as *Tachina*).

Coccinellidae

Epilachna varivestis Mulsant

Howard, N.F., and Landis, 1936: 2, 6, Ohio.

HOST: LEPIDOPTERA

Nymphalidae

Nymphalis antiopa (Linnaeus)

Coquillett, 1897: 19, 27, Mo. (as *Phorocera* ex *Vanessa*).

STAGE PARASITIZED: Larva (Coleoptera), adult (Coleoptera).

IMMATURES: Egg — Riley, 1875a: (descr.).

First instar larva — Bruneteau, 1937: (descr., fig. 6).

Pupa — Bruneteau, 1937: (descr.).

BIOLOGY: Kelleher, 1966: (1059-1061); Munro and Telford, 1943: (9); Feytaud, 1937: (64-65); Caesar, 1916: (32-33); Conradi, 1907: (33-34); Riley, 1876a: (52-53); Riley, 1875a: (769); Riley, 1875b: (706); Reed, 1872: (71, 74); Riley, 1869: (111-112); Walsh and Riley, 1868: (46).

Doryphorophaga "doryphorea," see *Doryphorophaga doryphorae*

Doryphorophaga macella Reinhard

HOST: COLEOPTERA

Chrysomelidae

Leptinotarsa decemlineata (Say)

Keller, 1966: 1059, Man.

STAGE PARASITIZED: Larva.

Doryphorophaga spp.

HOST: COLEOPTERA

Chrysomelidae

Leptinotarsa decemlineata (Say)

Williamson, 1963: 150, Ont.; Williamson, 1962: 158, Ont.; Williamson, 1961: 268, Ont.; Kelleher, 1960a: 280, Canada; Maybee, 1959: 263, Man.; Drake, 1941: 151-152, Iowa.

Doryphorophaga spp. and/or *Adorophorophaga* spp., see *Adorophorophaga* spp. and/or *Doryphorophaga* spp.

Drepanoglossa Townsend (Goniinae: Siphonini)

Drepanoglossa amydriae Townsend

HOST: LEPIDOPTERA

Tineidae

Amydria sp.

Townsend, 1908: 76, Mexico (Mor.).

STAGE PARASITIZED: Pupa.

Drepanoglossa floridensis, see *Clausicella floridensis***Drino** Robineau-Desvoidy (Goniinae: Sturmiini)**Drino austrina** (Coquillett)

HOST: LEPIDOPTERA

Pyralidae

Unidentified Pyralidae

Johnson, 1908: 75, Bahamas (as *Sturmia*).**Drino** sp. near *bakeri* (Coquillett)

HOST: LEPIDOPTERA

Sphingidae

Amphion nesus (Cramer)Schaffner and Griswold, 1934: 25, 118, Mass. (as *Sturmia*).

BIOLOGY: Schaffner and Griswold, 1934: (25, 118).

Drino balloui (Curran)All records as *Sturmia balloui*.

HOST: LEPIDOPTERA

Sphingidae

Sphinx moth(-s)

Arnaud, 1963: 128, Costa Rica (ex "sphynx" moth).

Unidentified Sphingidae

Curran, 1935: 22, Costa Rica.

STAGE PARASITIZED: Pupa.

Drino bohémica Mesnil

HOST: HYMENOPTERA

Diprionidae

Diprion hercyniae (Hartig)

Warren, 1967: 11, Nfld.; Monteith, 1964: 1480-1481 (lab.);

Reeks, 1964: 31, Ont.; Rose, 1964: 79, Ont. (ex European spruce sawfly); Monteith, 1963: 163-166;

Dowden, 1962: 16, 56, N.B.; Balch, 1960: 303, Canada; Finlayson, T., 1960a: 923, 937-938, fig. 13, Que.; Monteith, 1960: 641, 643-644, 647-651 (lab.); Bird and Elgee, 1957: 375, 377, N.B.; Raizenne, 1957: 24, Ont.; Monteith, 1955: 510; Anon., 1954c: 148, Que.; Boyes and Wilkes, 1953: 126, 145 (lab.); Reeks, 1953: 406, 409, 414, 417-420, 423-427, N.B.; Anon., 1952b: 176, 182, 186-187 (lab.); Anon., 1952f: 256, Que.; Anon., 1950d: 234, 242, 251 (ex *Gilpinia*, lab.); Anon., 1949: 274-275, 280, 286, 288 (as *Sturmia* sp. ex *Gilpinia*, lab.); Briand, 1949: 56-57, 59, Que. (as *Sturmia* sp. ex [European] spruce sawfly); Briand, 1949a: 125-127, Que. (as *Sturmia* sp. ex European spruce sawfly); Briand, 1949b: 180-181, Que. (as *Sturmia* sp. ex *Gilpinia*); Hawboldt, 1949: 37, Ont. (as *Sturmia* sp. ex *Gilpinia*); House, 1949: 60-62 (as *Sturmia* sp. ex *Gilpinia*, lab.); Reeks, Forbes and Cuming, 1949: 15, N.B. (as *Zygobothria gilva* (Hartig) ex *Gilpinia*); Anon., 1948: 287-288, 291, 295-297, Ont. (as *Sturmia* sp. ex *Gilpinia*); Anon., 1948a: 357-358, 362, 369-371 (as *Sturmia* sp. ex *Gilpinia*, lab.); Reeks, Forbes and Cuming, 1948: 15, N.B. (as *Zygobothria gilva* ex *Gilpinia*); Anon., 1947: 187-188, 192, 197-198, 200-201 (as *Sturmia* sp. ex *Gilpinia*, lab.); Coppel and House, 1947: 74 (as *Sturmia* sp. ex *Gilpinia*, lab.); Reeks, Forbes and Cuming, 1947: 11, [N.B., N.S.] (as *Sturmia* sp. ex *Gilpinia*); Baird, 1946: 141-142, 145, 149-150, 152 (as *Sturmia* sp. ex *Gilpinia*, lab.); Reeks, 1946: 25, N.B. (as *Sturmia* sp. ex *Gilpinia*); Anon., 1945: 224 (as *Sturmia* sp. ex *Gilpinia*); Anon., 1945a: 224, Que. (as *Sturmia* sp. ex [European] spruce sawfly); Baird, 1945: 127, 131, 137-139, Ont. (as *Sturmia* sp. ex *Gilpinia*); Paquet, 1945: 94 (as *Sturmia* sp. ex *Gilpinia*); Baird, 1944: 126-127, 131, 135-137, Ont. (as *Sturmia* sp. ex *Gilpinia*); Gardiner, 1942: 57, maritime prov., Ont., Que. (as *Sturmia* sp. ex *Gilpinia*).

Diprion polytomum (Hartig)

Gardiner, 1943: 55, N.B., Nfld., N.S., Ont., P.E.I., Que. (as *Sturmia* sp. ex spruce sawfly).

Neodiprion abietis (Harris)

Finlayson, T., 1963: 477, 503; Anon., 1948b: 356, 360, 369 (as *Sturmia* sp., lab.).

Neodiprion lecontei (Fitch)

Monteith, 1966: 1205-1207 (lab.); Monteith, 1964:

1479-1481 (lab.); Monteith, 1963: 162-166; Monteith, 1963a: 418-425 (lab.); Monteith, 1960: 641, 643-644, 647-651 (lab.); Benjamin, 1955: 26 (as *Sturmia* sp., lab.); Monteith, 1955: 510; Anon., 1952b: 176, 182, 187 (lab.); Anon., 1948: 288, 292, 296 (as *Sturmia* sp., lab.); Anon., 1948a: 359, 364, 369 (as *Sturmia* sp., lab.); Anon., 1947: 189, 194, 199 (as *Sturmia* sp., lab.); Baird, 1946: 142, 146, 151 (as *Sturmia* sp., lab.).

Neodiprion nanulus nanulus Schedl

Baird, 1946: 142, 147, 151 (as *Sturmia* sp. ex *N. nanulus*, lab.).

Neodiprion pratti banksianae Rohwer

Monteith, 1964: 1479-1481 (lab.); Finlayson, T., 1963: 482, 503; Raizenne, 1957: 15, Ont.; Anon., 1952b: 176, 182, 187 (ex *N. americanus banksianae*, lab.); Anon., 1948a: 358, 363, 369 (as *Sturmia* sp. ex *N. banksianae*, lab.); Baird, 1946: 142, 146, 151 (as *Sturmia* sp. ex *N. banksianae*, lab.); Baird, 1944: 127, 132, 137 (as *Sturmia* sp. ex *N. banksianae*, lab.).

Neodiprion sertifer (Geoffroy)

Lyons, 1964: 21, 31, Ont.; Monteith, 1963: 163-164, 166; Monteith, 1955: 510; Anon., 1948: 287, 290, 296 (as *Sturmia* sp., lab.); Anon., 1948a: 357, 362, 369 (as *Sturmia* sp., lab.); Anon., 1947: 187, 192, 199 (as *Sturmia* sp., lab.); Baird, 1946: 140, 145, 150 (as *Sturmia* sp., lab.); Baird, 1945: 127, 131, 138 (as *Sturmia* sp. ex *Diprion*, lab.).

Neodiprion swaini Middleton

Monteith, 1963: 163-164, 166; Monteith, 1955: 510; Anon., 1952b: 176, 183, 187 (lab.); Anon., 1948a: 358, 363, 369 (as *Sturmia* sp., lab.).

Neodiprion virginiana Rohwer complex

Finlayson, T., 1963: 485, 503.

Tenthredinidae

Hemichroa crocea (Fourcroy)

Anon., 1948c: 356, 360, 369 (as *Sturmia* sp., lab.).

Pikonema alaskensis (Rohwer)

Monteith, 1964: 1479-1481 (lab.); Dowden, 1962: 56, N.B.; Finlayson, T., 1960a: 923, 938, fig. 13; Raizenne, 1957: 32, Ont.; Reeks, 1953: 426; Anon., 1952b: 176, 184, 187 (lab.); Briand, 1949: 58 (as *Sturmia* [sp.]); Briand, 1949a: 125, Que. (as *Sturmia* sp.); Anon., 1948: 289, 293, 296 (as *Sturmia* sp., lab.); Anon., 1948a: 359, 366,

371 (as *Sturmia* sp., lab.); Anon., 1947: 189, 196-197 (as *Sturmia* sp., lab.).

Pikonema dimmockii (Cresson)

Dowden, 1962: 56, N.B.; Finlayson, T., 1960a: 923, 938, fig. 13; Reeks, 1953: 426.

Pristiphora erichsonii (Hartig)

Anon., 1948: 288, 292, 296 (as *Sturmia* sp., lab.).

Pristiphora geniculata (Hartig)

Anon., 1948: 288, 292, 296 (as *Sturmia* sp., lab.).

Unidentified Hymenoptera

Sawfly (-flies)

Anon., 1948: 288, 292, 296, Ont. (as *Sturmia* sp.); Anon., 1947: 189, 195, 199-200 (as *Sturmia* sp., lab.).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Second instar larva — Finlayson, T., 1960a: (descr., fig. 13).

BIOLOGY: Monteith, 1966: (1205-1207); Monteith, 1964: (1479-1481); Monteith, 1963: (162-166); Monteith, 1963a: (418-425); Dowden, 1962: (16, 56); Finlayson, T., 1960a: (923, 937-938); Monteith, 1960: (641, 643-644, 647-651); Reeks, 1953: (406, 409, 414, 417-420, 423-427); Briand, 1949a: (125-127); House, 1949: (60-62).

Drino cubaecola (Jaennicke)

HOST: LEPIDOPTERA

Pyralidae

Hedylepta indicata (Fabricius)

Plank, 1945: 26-27, P.R. (as *Sturmia*).

Drino fraudulenta (Wulp)

HOST: LEPIDOPTERA

Hesperiidae

Erynnis icelus (Scudder and Burgess)

Schaffner and Griswold, 1934: 15, 118 (as *Sturmia*).

Drino inca (Townsend)

HOST: LEPIDOPTERA

Sphingidae

Agrius cingulatus (Fabricius)

All records ex *Herse cingulata*.

Patton, 1958: 86, Fla. (as *Zygosturmia*); Fattig, 1949: 38, Ga. (as *Zenillia*); Wylie, 1946: 90, Fla. (as *Sturmia*); Brimley, 1938: 364, N.C. (as *Sturmia*); Aldrich, 1927b: 19, La., Tex. (as *Sturmia*).

Agrius cingulatus (Fabricius) probably

Aldrich, 1927b: 19, Tex. (as *Sturmia* ex *Herse*).

Unidentified Sphingidae

Tucker, R. W. E., 1952: 351, Barbados (as *Zygosturmia* ex larvae feeding on sweetpotato).

STAGE PARASITIZED: Larva.

BIOLOGY: Patton, 1958: (86).

Drino incompta (Wulp)

Most records as *Sturmia inquinata* (Wulp).

HOST: LEPIDOPTERA

Citheroniidae

Eacles imperialis (Drury)

Johnson, 1910: 781, N.J.

Saturniidae

Hemileuca maia (Drury)

Essig, 1926: 583, [W. U.S.]; Packard, 1914: 269; Coquillett, 1897: 20, 25.

Sphingidae

Agrius cingulatus (Fabricius)

Brimley, 1922: 25, N.C. (ex *Phlegethontius*); Coquillett, 1897: 20, 26, Fla. (ex *Protoparce*).

Ceratomia amyntor (Hübner)

Schaffner and Griswold, 1934: 17, 118, N.H. (as *S. incompta*); Coquillett, 1897: 20, 24.

Ceratomia catalpae (Boisduval)

Fattig, 1949: 32, Ga. (as *S. incompta*).

Ceratomia undulosa (Walker)

Coquillett, 1897: 20, 24, Mo.

Ceratomia undulosa (Walker) probably

Brimley, 1922: 25, N.C.

Ceratomia spp.

Brimley, 1938: 364, N.C.

Hyles lineata (Fabricius)

Most records ex *Deilephila lineata*.

Essig, 1926: 583, [W. U.S.] (ex *Celerio*); Johnson, 1910: 781, N.J.; Coquillett, 1897: 20, 25, La.

Manduca quinquemaculata (Haworth)

Most records ex *Protoparce quinquemaculata*.

Gilmore, 1938: 710-711, Ky. and/or Tenn. (as *S. incompta*); Essig, 1926: 583, [W. U.S.]; Lovett, 1915a: 171, fig. 3 on pl. 7, Oreg. (ex *Phlegethontius*); Johnson, 1910: 781, N.J. (ex *P. celeus* Hübner); Coquillett, 1897: 20, 26, Mo. (ex *P. celeus*).

Manduca sexta (Linnaeus)

Most records ex *Protoparce sexta*.

*Madden and Chamberlin, 1945: 48 (as *S. incompta*, Gilmore, 1938); Gilmore, 1938: 710-711, Ky. and/or Tenn. (as *S. incompta*); Essig, 1926: 583, [W. U.S.]; Johnson, 1910: 781, N.J. (ex *P. carolina* (Linnaeus)); Coquillett, 1897: 20, 26, Colo., Ill. (ex *P. carolina*).

Manduca spp.

Garman, 1897: 29 (ex *Phlegethontius*).

Pholus achemon (Drury)

Coquillett, 1897: 20, 26, Mo. (ex *Philampelus*).

Pholus vitis (Linnaeus)

All records ex *Pholus fasciatus* Sulzer.

Patton, 1958: 83, Fla. (as *S. incompta*); Patton, 1957: 69 (as *S. incompta*).

Sphinx chersis (Hübner)

Aldrich, 1932: 1-2, Mass., N.H. (as *S. incompta*); Essig, 1926: 583, [W. U.S.]; Tothill, 1913: 74, Ont.; Eliot and Soule, 1902: 58.

Unidentified Sphingidae

*Procter, 1946: 434, Maine (as *S. incompta*, Procter, 1938); Procter, 1938: 375, Maine (as *S. incompta*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 4 on pl. 1); Lovett, 1915a: (fig. 3 on pl. 7).

BIOLOGY: Patton, 1958: (83); Patton, 1957: (69); Schaffner and Griswold, 1934: (17, 118); Lovett, 1915a: (171).

Drino inconspicua (Meigen)

Most records as *Sturmia inconspicua*.

HOST: HYMENOPTERA

Diprionidae

Diprion frutetorum (Fabricius)

Baird, 1943: 119, 122, 129 (ex *Gilpinia*, lab.).

Diprion hercyniae (Hartig)

Baird, 1943: 118-119, 123, 127-130 (ex *Gilpinia*, lab); Baird, 1941: 160-161, Que. (ex [European] spruce sawfly).

Diprion polytomum (Hartig)

Finlayson and Reeks, 1936: 164, Que. (lab.).

Diprion similis (Hartig)

Webber, 1932: 193, 202, 204, 206-207.

Neodiprion lecontei (Fitch)

Webber, 1932: 204, 207, Mass.

Neodiprion pratti pratti (Dyar)

Webber, 1932: 194-204, 207, figs. 3-6 (ex *N. dyari* Rohwer).

Neodiprion sertifer (Geoffroy)

Baird, 1943: 118, 122, 129 (lab.).

HOST: LEPIDOPTERA

Geometridae

Hydria undulata (Linnaeus)

Webber, 1932: 207.

Lasiocampidae

Malacosoma americanum (Fabricius)

Webber, 1932: 204, 207.

Malacosoma disstria Hübner

Webber, 1932: 204, 207.

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Webber, 1932: 207.

Porthetria dispar (Linnaeus)

Clausen, 1956: 63; Webber, 1932: 193-208, figs. 3-6, Mass.; Howard and Fiske, 1911: 308 (as *Zygobothria gilva* Hartig).

Noctuidae

Alypia octomaculata (Fabricius)

Webber, 1932: 207.

STAGE PARASITIZED: Larva (Hymenoptera, Lepidoptera).

IMMATURES: Egg — Webber, 1932: (descr.).

First instar larva — Webber, 1932: (descr., fig. 3).

Second instar larva — Webber, 1932: (descr., fig. 4).

Third instar larva — Webber, 1932: (descr., fig. 5).

Pupa — Webber, 1932: (descr., fig. 6).

BIOLOGY: Webber, 1932: (193-208).

Drino inconspicua (Meigen) probably

HOST: HYMENOPTERA

Diprionidae

Diprion hercyniae (Hartig)

Reeks, Smith and Forbes, 1946: 11, N.B. (as *Sturmia* ex *Gilpinia*).

STAGE PARASITIZED: Larva.

Drino munda, see *Palexorista laxa*

Drino pilatei (Coquillett)

IMMATURES: Pupa — Greene, 1922: (as *Sturmia*; descr., fig. 33 on pl. 7).

Drino rhoeo (Walker)

Most records as *Sturmia distincta* Wiedemann.

HOST: LEPIDOPTERA

Psychidae

Thyridopteryx ephemeraeformis (Haworth)

Webster and Mally, 1897: 42, Ohio.

Sphingidae

Agrius cingulatus (Fabricius)

Most records ex *Protoparce cingulata*.

Tucker, R. W. E., 1952: 351, Barbados (ex *Herse*); Catoni, 1922: 25-26, P.R.; Bourne, 1921: 13, Barbados.

Agrius convolvuli (Linnaeus)

Reinhard, 1922: 73, Tex. (ex *Herse*).

Manduca quinquemaculata (Haworth)

Fattig, 1949: 32 (as *S. protoparcis* (Townsend) ex *Protoparce*); Brimley, 1938: 364, N.C. (ex *Phlegethontius*); Brimley, 1922: 25, N.C. (ex *Phlegethontius*); Coquillett, 1897: 20, 26, Ill. (ex *Protoparce celeus* Hübner).

Manduca sexta (Linnaeus)

Most records ex *Protoparce sexta*.

Comstock and Vazquez Garcia, 1964: 221, Mexico (as *Argyrophylax protoparcis* ex *Phlegethontius*); Comstock and Vazquez Garcia, 1964: 221, Mexico (ex *Phlegethontius*); Lawson, 1959: 741, 744-745, N.C. (as *Zygosturmia protoparcis*); Patton, 1958: 86, Fla. (as *Zygosturmia protoparcis*); Fattig, 1949: 32, Ga. (as *S. protoparcis*); Chamberlin, F.S., and Madden, 1942: 18, Fla. (as *S. protoparcis*); Brimley, 1942: 27, N.C. (as *S. protoparcis*); Chamberlin, F.S., and Madden, 1942: 18, Fla., Ga. (as *S. protoparcis*); Brimley, 1938: 364, N.C. (ex *Phlegethontius*); Gilmore, 1938: 710-711, Ky. and/or Tenn. (as *S. protoparcis*); Madden and Chamberlin, 1938: 705, Fla. (as *S. protoparcis*); Allen, 1929: 688, Miss.; Russo, 1927a: 186-187, Fla., Jamaica, Lesser Antilles; Brimley, 1922: 25, N.C. (ex *Phlegethontius*).

Manduca sexta jamaicensis (Butler)

Most records ex *Protoparce sexta jamaicensis*.

Curran, 1926: 113, Jamaica (as *Atacta geminata* Curran); Gowdey, 1926: 82, Jamaica (as *Atacta geminata*); Gowdey, 1926: 84, Jamaica (as *Zenillia* ex *P. sexta* "jamaiceusis"); Gowdey, 1923: 2, Jamaica; Gowdey, 1923a: 59, Jamaica; Johnson, 1919: 437, Jamaica (ex *P. jamaicensis*); Coquillett, 1897: 20, 26, Jamaica (ex *P. jamaicensis*); *Brauer and Bergenstamm, 1895: 561, 604 (as *Masicera protoparcis* ex *P. jamaicensis*, Townsend, 1892d); Cockerell, 1892: 43, Jamaica (as *Masicera protoparcis* ex *P. jamaicensis*); Cockerell, 1892a: 56, Jamaica (as *Masicera protoparcis* ex *P. jamaicensis*); Townsend, 1892d: 70, Jamaica (as *Masicera protoparcis* ex *P. jamaicensis*).

Pholus achemon (Drury)

Essig, 1926: 583, Calif.; Nougaret, 1919: 579, Calif.

Sphinx moth(-s)

Aldrich, 1927b: 19, U.S.

Unidentified Sphingidae

Coquillett, 1897: 20, 27, Tex.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Madden and Chamberlin, 1945: (descr.).

Pupa — Greene, 1922: (descr., fig. 2 on pl. 1).

BIOLOGY: Madden and Chamberlin, 1945: (46-48); Allen, 1929: (688); Nougaret, 1919: (579).

Drino rhoeo (Walker) probably
Most records as *Sturmia trifida* Wulp.
HOST: LEPIDOPTERA

Sphingidae

Manduca quinquemaculata (Haworth)

Garman, 1897: 29 (ex *Phlegethontius celeus* (Hübner)).

Manduca sexta (Linnaeus)

Kuitert and Tissot, 1957: 94, Fla. (as *S. protoparcis* (Townsend) ex [tobacco] hornworms); Girault, 1908a: 235-236, Tex. (as *Argyrophylax protoparcis* (or a n. sp.?) ex *Phlegethontius*); Garman, 1897: 29 (ex *Phlegethontius carolina* (Linnaeus)).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Girault, 1908a: (descr.).

Drino sociabilis (Greene)

IMMATURES: Pupa — Greene, 1922: (as *Sturmia*; descr., fig. 1 on pl. 1).

Drino sp.

All records as *Zygosturmia* sp.

HOST: LEPIDOPTERA

Sphingidae

Sphinx moth(-s)

Wolcott, 1951a: 480, P.R. (ex caterpillar on *Cordia*);

Wolcott, 1924: 222, P.R. (ex larva on *Cordia*).

STAGE PARASITIZED: Larva.

Echinomyia algens, see *Nowickia algens*

Echinomyia thomsoni, see *Peleteria thomsoni*

Eipogona americana, see *Buquetia obscura*

Eipogona obscura, see *Buquetia obscura*

Eipogona setifacies, see *Buquetia musca*

Elachipalpus sp., see *Copecrypta* sp.

Eleodiphaga Walton (Goniinae: Frontinini)

Eleodiphaga caffreyi Walton

HOST: COLEOPTERA

Tenebrionidae

Eleodes extricata (Say)

Essig, 1926: 579, Ariz., N. Mex.; Walton, 1918: 24, N. Mex.

Eleodes obsoleta (Say)

Essig, 1926: 579, Ariz., N. Mex.; Walton, 1918: 24, Ariz.

STAGE PARASITIZED: Adult.

Eleodiphaga pollinosa Walton

HOST: COLEOPTERA

Tenebrionidae

Eleodes hispilabris (Say)

Essig, 1926: 579, N. Mex.; Walton, 1918: 24, N. Mex.

STAGE PARASITIZED: Adult

"*Elephantocera greeni*," see *Elephantocera greeni*

Elephantocera Townsend (Goniinae: Blondeliini)

Elephantocera greeni Townsend

All records as *Elephantocera* "greeni."

HOST: LEPIDOPTERA

Olethreutidae

Grapholitha molesta (Busck)

All records ex *Laspeyresia molesta*.

Steenburgh and Boyce, 1938: 73, Ont. (as "*Elephantocera greeni*"); Steenburgh, 1935: 71, Ont.; Steenburgh, 1932: 67-68, Ont.

STAGE PARASITIZED: Larva.

Elephantocera "greeni," see *Elephantocera greeni*

Elfia Robineau-Desvoidy (Goniinae: Siphonini)

Elfia aenea (Coquillett)

HOST: LEPIDOPTERA

Tortricidae

Phalonia oenotherana Riley

Dickerson and Weiss, 1920: 44, N.J. (as "*Tachniphyto*").

STAGE PARASITIZED: Larva.

Elfia sp. near *aenea* (Coquillett)

HOST: LEPIDOPTERA

Pyralidae

Pyrausta futilalis (Lederer)

Schaffner, 1959: 11, 53, N.J. (as *Phyllomya*).

BIOLOGY: Schaffner, 1959: (11, 53).

Elfia amplicornis (James)

HOST: LEPIDOPTERA

Glyphipterygidae

Lotisma trigonana Walsingham

James, M. T., 1955: 84, Wash. (as *Plectops*).

Elfia curriei (Townsend)

HOST: LEPIDOPTERA

Pyralidae

Dioryctria reniculella (Grote)

Daviault, 1946: 117, Que. (as *Plectops* "currei").

Elfia melissopodis (Coquillett)

All records as *Plectops melissopodis*.

HOST: COLEOPTERA

Curculionidae

Curculio sp.

Brooks, F. E., and Cotton, 1929: 14, Mass. (ex *Curculio* larvae in acorns of *Quercus velutina* Lamarck, questionable parasite).

HOST: LEPIDOPTERA

Olethreutidae

Melissopus latiferreanus (Walsingham)

Coquillett, 1897: 19, 26, D.C., Mo.

STAGE PARASITIZED: Larva (Lepidoptera).

Elfia palpigera (Coquillett)

HOST: LEPIDOPTERA

Pyralidae

Acrobasis comtoniella Hulst

Schaffner, 1959: 15, 51, N.H. (as *Lispidea*).

BIOLOGY: Schaffner, 1959: (15, 51).

Elfia sp. near **palpigera** (Coquillett)

HOST: LEPIDOPTERA

Tortricidae

Argyrotaenia citrana (Fernald)

Basinger, 1935: 233, Calif. (as "*Lispidia*").

STAGE PARASITIZED: Larva.

Elfia setigera (Thomson)All records as *Goliathocera setigera*.

HOST: LEPIDOPTERA

Pyralidae

Dioryctria abietella (Denis and Schiffermüller)

Keen, 1958: 70.

Cone moth(-s)

Keen, 1958: 70, Oreg.

STAGE PARASITIZED: Pupa.

Elfia tarsalis (Coquillett)All records as *Clausicella tarsalis*.

HOST: LEPIDOPTERA

Pyralidae

Pyralis farinalis Linnaeus probably

Chittenden, 1897: 42-43, Md. (probable parasite).

IMMATURES: Pupa — Greene, 1922: (descr., fig. 31 on pl. 7).

Elfia sp. near **usitata** (Coquillett)

HOST: LEPIDOPTERA

Oecophoridae

Psilocorsis reflexella ClemensSchaffner, 1959: 40, 53, N.H. (as *Plectops*).

BIOLOGY: Schaffner, 1959: (40, 53).

Elfia sp. (10), see *Elfia* spp.**Elfia** spp.

HOST: LEPIDOPTERA

Gelechiidae

Coleotechnites canusella (Freeman)McLeod, 1969: 168, Que. (as "*Elphia*" ex *Eucordylea*).*Coleotechnites thujella* (Kearfott)Procter, 1946: 436, Maine (as *Lispidea* ex *Recurvaria*).

Oecophoridae

Psilocorsis faginella (Chambers)Embree, 1958: 170, N.S. (as *Lophosiocera*).*Psilocorsis quercicella* ClemensCochaux, 1969: 69, 79-81, Que. (as *Elfia* sp. (10)).

Psilocorsis reflexella Clemens

Cochaux, 1969: 69, 79-81, Que. (as *Elfia* sp. (10)).

Olethreutidae

Epinotia aceriella (Clemens)

Raizenne, 1952: 198, Que. (as *Plectops*).

Melissopus latiferreanus (Walsingham)

Dohanian, 1942: 837, 841, Oreg. (as *Plectops*, probable rearing).

Pterophoridae

Platyptilia carduidactyla (Riley)

Lange, 1950: 592, Calif. (as *Plectops*); Lange, 1950: 592, Calif. (as *Lispidea* spp. (two spp.)); Lange, 1941: 24, 67, Calif. (as *Plectops*); Lange, 1941: 24, 67, Calif. (as *Lispidea* sp. [1]); Lange, 1941: 24, 67, Calif. (as *Lispidea* sp. [2]).

STAGE PARASITIZED: Larva.

BIOLOGY: McLeod, 1969: (168).

Elodia Robineau-Desvoidy (Goniinae: Erythrocerini)

Elodia flavipalpis Aldrich

HOST: LEPIDOPTERA

Olethreutidae

Grapholitha molesta (Busck)

Allen, Holloway and Haeussler, 1940: 4, 33, 40-43, 49 (lab.).

STAGE PARASITIZED: Larva.

Elodia subfasciata Aldrich

HOST: LEPIDOPTERA

Olethreutidae

Grapholitha molesta (Busck)

Allen, Holloway and Haeussler, 1940: 4, 33, 40-43, 49 (lab.).

STAGE PARASITIZED: Larva.

Elodia tragica (Meigen)

HOST: LEPIDOPTERA

Olethreutidae

Grapholitha molesta (Busck)

Allen, Holloway and Haeussler, 1940: 3, 40-41, 60 (as *Arrhinomyia*, lab.).

STAGE PARASITIZED: Larva.

"Elphia" sp., see *Elfia* spp.

Emphanopteryx aurifacies, see *Cryptomeigenia aurifacies*

Emphanopteryx prisca, see *Cryptomeigenia prisca*

"Encelatoria" rubentis, see *Eucelatoria rubentis*

Ennyomma clistoides, see *Myiophasia clistoides*

Ennyomma globosa, see *Myiophasia globosa*

Ennyommopsis nigrifrons, see *Myiophasia nigrifrons*

Eohyria pellucida, see *Pelatachina pellucida*

Epalpus Rondani (Tachininae: Juriniini)

Epalpus signifer (Walker)

HOST: LEPIDOPTERA

Noctuidae

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

Schaffner and Griswold, 1934: 48, 125, N.J. (ex *Graptolitha* spp. (including *G. disposita*, *G. innominata* and/or *G. petulca*)).

BIOLOGY: Schaffner and Griswold, 1934: (48, 125).

Epigrimyia floridensis, see *Clausicella floridensis*

Epigrimyia geniculata, see *Coronimyia geniculata*

"*Epigrymia*" *floridensis*, see *Clausicella floridensis*

Epimasicera caesar, see *Aplomya caesar*

Epiplagiops Blanchard (Goniinae: Exoristini)

Epiplagiops littoralis Blanchard

HOST: COLEOPTERA

Curculionidae

Listroderes costirostris obliquus (Klug)

Compere, 1946: 671-672 (ex *L. obliquus*, lab.).

STAGE PARASITIZED: Larva.

Eribella Mesnil (Goniinae: Blondeliini)

Eribella exilis (Coquillett)

All records as *Masicera exilis*.

HOST: COLEOPTERA

Chrysomelidae

Chelymorphe cassidea (Fabricius)

Chittenden, 1924: 49, D.C., Va.

Plagiometriona clavata (Fabricius)

Brimley, 1922: 24, N.C. (ex *Coptocycla*).

STAGE PARASITIZED: Larva.

Eribella sp. near *exilis* (Coquillett)

Most records as *Masicera* sp. near *exilis*.

HOST: HYMENOPTERA

Diprionidae

Neodiprion lecontei (Fitch)

Greene, 1921: 43, Va.

HOST: LEPIDOPTERA

Olethreutidae

Barbara colfaxiana (Kearfott)

Hedlin, 1960: 832, B.C. (as "*Pseudoeribia*" sp. near *tothilli* (Curran)).

IMMATURES: Pupa — Greene, 1922: (descr., fig. 58 on pl. 13).

Eribella spp.

HOST: LEPIDOPTERA

Pterophoridae

Unidentified Pterophoridae

Sabrosky and Arnaud, 1965: 1042.

STAGE PARASITIZED: Larva.

Ernestia ampelus, see *Mericia ampelus*

Ernestia sp. (1) (? *arcuata*), see *Mericia arcuata* probably

Ernestia sp. (10) (? *bicarina*), see *Mericia bicarina* probably

Ernestia johnsoni, see *Mericia johnsoni*

Ernestia radicum, see *Mericia* spp.

Ernestia spp. (2), (3), (4), (5), (6), (7), (8), (9) or (10), see *Mericia* spp.

Ernestia sp., see *Mericia* spp.

Ervia Robineau-Desvoidy (Dexiinae: Iceliini)

Ervia triquetra (Olivier)

HOST: COLEOPTERA

Chrysomelidae

Monocesta coryli (Say)

Fattig, 1949: 15, Ga. (ex "*Monocestra*").

STAGE PARASITIZED: Larva.

Erycia arator, see *Pilatea arator*

Erycia deckeri, see *Lydella deckeri*

Erycia leechi, see *Sitophaga leechi*

Erycia myoidaea, see *Lydella radialis*

Erycia rutila, see *Ceromasia aurifrons*

Erynnia Robineau-Desvoidy (Goniinae: Erythrocerini)

Erynnia nitida, see *Erynniopsis rondanii*

Erynnia tortricis (Coquillett)

Most records as *Anachaetopsis tortricis*.

HOST: LEPIDOPTERA

Coleophoridae

Coleophora fuscadinella Zeller

Reeks, 1951: 213, maritime prov. (as *Tortriciophaga* ex *C. salmani* Heinrich).

Coleophora malivorella Riley

Beacher, 1947: 532, 535-536, 539, Pa., W. Va.; Steiner and Worthley, 1941: 12, Pa.; Gould and Geissler, 1940: 815, W. Va.

Gelechiidae

Anarsia lineatella Zeller

Allen, 1962: 11, 114; Hardy, 1957: 195, probably Calif.; Basinger, 1935a: 246, Calif.

Pectinophora gossypiella (Saunders)

Allen, 1962: 114.

Noctuidae

Arzama obliqua (Walker)

Brehme, 1915: 473, N.J. (as *Hypostena* ex *Bellura*).

Olethreutidae

Ancylis comptana (Frölich)

Procter, 1946: 433, Maine (as *Phyllomyia columbia* (Curran)).

Ancylis comptana floridana (Zeller)

All records ex *Ancylis floridana*.

*Procter, 1946: 435, Maine (Procter, 1938); Procter, 1938: 375, Maine.

Ancylis comptana fragariae (Walsh and Riley)

Allen, 1962: 11, 115; Neiswander, 1944: 8, Ohio.

Evora hemidesma (Zeller)

Roberts, 1966: 169, Iowa.

Grapholitha molesta (Busck)

Most records ex *Laspeyresia molesta*.

Allen, 1962: 12, Ill., Ind., Md., Mo., N.Y., Ohio, Va. (ex *Grapholitha*); Steenburgh and Boyce, 1938: 73, Ont. (as "*Anachaetapsis tortiricus*"); Steenburgh, 1935: 71, Ont.

Laspeyresia pomonella (Linnaeus)

Most records ex *Carpocapsa pomonella*.

Allen, 1962: 12, 115; Lloyd, 1944: 461-462, 468, Calif. (as "*Achaetopsis*" ex codling moth); Yothers and Van Leeuwen, 1931: 26, Oreg.; Aldrich, 1923: 54, Oreg. (as *A. vagans* Aldrich).

Melissopus latiferreanus (Walsingham)

Dohanian, 1942: 837, 840, Oreg., Wash.

Proteoteras willingana (Kearfott)

Peterson, L. O. T., 1958: 646, Sask.

Rhyacionia buoliana (Schifferrmüller)

Torgersen and Coppel, 1969: 164-165, Wis. (as *Erynnia*).

Psychidae

Thyridopteryx ephemeraeformis (Haworth)

Kulman, 1965a: 864, W. Va.; Schaffner, 1959: 46, 49, [N.E. U.S.]; Schaffner and Griswold, 1934: 102-103, 107, N.J.

Pyralidae

Desmia funeralis (Hübner)

Allen, 1962: 117; Donohoe and Kaloostian, 1937: 967-968, Calif.

Etiella zinckenella (Treitschke)

Stone, 1965: 24, Calif. (as *Erynnia*).

Homoeosoma electellum (Hulst)

Satterthwait and Swain, 1946: 577, Mo.

Moodna ostrinella (Clemens)

Raizenne, 1952: 179, Ont. (as *Tortriciophaga*).

Tortricidae

Acleris variana (Fernald)

Reeks, Forbes and Cuming, 1947: 12, [maritime prov.] (as *Tortriciophaga*).

Archips cerasivoranus (Fitch)

Schaffner, 1959: 30, 49, [N.E. U.S.].

Archips fervidanus (Clemens)

Schaffner, 1959: 29, 49, [N.E. U.S.].

Archips rosanus (Linnaeus)

Schaffner, 1959: 31, 49, [N.E. U.S.].

Choristoneura rosaceana (Harris)Raizenne, 1952: 214, Ont. (as *Tortriciophaga* ex *Archips*).*Platynota flavedana* Clemens

Allen, 1962: 115; Summerland and Hamilton, 1954: 941, Ind.

Sparganothis sulfureana (Clemens)Allen, 1962: 115 (ex "*Sparganothis sulfurana*"); Beckwith, 1938: 255, N.J.

Unidentified Tortricidae

Coquillett, 1897: 17, 27, Calif. (as *Hypostena*).

Unidentified Tortricidae probably

Coquillett, 1895a: 56, Calif. (as *Pseudomyothyria* ex tortricid probably on *Solanum* "*douglassi*" Dunal).

Unidentified Lepidoptera

Miscellaneous

Aldrich, 1928b: 41, N. Amer. (ex Microlepidoptera).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Satterthwait and Swain, 1946: (descr.).

Pupa — Greene, 1922: (descr., fig. 32 on pl. 7).

BIOLOGY: Satterthwait and Swain, 1946: (577); Schaffner, 1959: (29-31, 46, 49); Schaffner and Griswold, 1934: (102-103, 107).

Erynnia spp.

HOST: LEPIDOPTERA

Tortricidae

Acleris variana (Fernald)Brown, A. W. A., 1938: 16, Ont. (as *Anachaetopsis* [sp.] ex *Peronea*).

STAGE PARASITIZED: Larva.

Erynniopsis Townsend (Goniinae: Blondeliini)*Erynniopsis rondanii* TownsendMost records as *Erynnia nitida* Robineau-Desvoidy.

HOST: COLEOPTERA

Chrysomelidae

Pyrrhata luteola (Müller)

Most records ex *Galerucella xanthomelaena* (Schrank).

Dowden, 1962: 16, 18, 56-57, Calif. (as *Erynniopsis rondani*); Anon., 1960c: 985, Calif. (probable parasite); Clausen, 1956: 5, 67, 102-103, Calif.; Keifer, 1945: 249, Calif. (ex elm leaf beetle); Flanders, 1942: 607, Calif. (ex elm leaf beetle); Flanders, 1940: 947-948, Calif.; Flanders, 1940a: 412, Calif. (ex elm leaf beetle).

STAGE PARASITIZED: Larva, pupa, adult.

BIOLOGY: Clausen, 1956: (5, 67, 102-103); Flanders, 1942: (607); Flanders, 1940: (947-948); Flanders, 1940a: (412).

Euacemyia tibialis, see *Acemyia tibialis*

Euacemyia spp., see *Acemyia* spp.

Euadmontia pergandei, see *Admontia pergandei*

Eubiomyia calosomae, see *Sitophaga calosomae*

Eubrachymera Townsend (Dexiinae: Macquartiini)

Eubrachymera debilis Townsend

HOST: HYMENOPTERA

Pamphiliidae

Neurotoma inconspicua (Norton)

Townsend, 1919a: 162, S. Dak.

"*Eucelaria*" *armigera*, see *Eucelatoria armigera*

Eucelatoria Townsend (Goniinae: Blondeliini)

Eucelatoria "amigera," see *Eucelatoria armigera*

Eucelatoria armigera (Coquillett)

HOST: HYMENOPTERA

Diprionidae

Neodiprion spp.

Greene, 1921: 43, Ga. (as *Frontina*).

HOST: LEPIDOPTERA

Arctiidae

Estigmene acrea (Drury)

Carrillo S., Ortega C., and Gibson, W. W., 1966: 94, Mexico (Son.) (ex *E. acrea*).

Geometridae

Unidentified Geometridae

Nakao, 1963a: 535, Hawaii.

Noctuidae

Achaea janata (Linnaeus)

Zimmerman, 1958: 353, Hawaii; Pemberton, 1948: 209, Hawaii; Bianchi, 1946: 469, Hawaii (incomplete rearing — pupa); Van Zwaluwenburg, 1946: 14, Hawaii.

Agrotis ipsilon (Hufnagel)

Most records ex *Agrotis ypsilon*.

Patton, 1958: 37, Fla. (incomplete rearing — pupa); Zimmerman, 1958: 253, Hawaii (ex *A. ipsilon*); Tissot, 1945: 64, Fla.

Amyna natalis (Walker)

Zimmerman, 1958: 348, Hawaii; Pemberton, 1948: 209, Hawaii; Van Zwaluwenburg, 1946: 15, Hawaii.

Autographa californica (Speyer)

Clancy, 1969: 1079, Calif.

Chrysodeixis calcites (Esper)

All records ex *Plusia "chalcites."*

Zimmerman, 1958: 371, Hawaii; Pemberton, 1948: 209, Hawaii; Swezey, 1944: 3, Hawaii; Pemberton, 1943: 16, Hawaii; Van Zwaluwenburg, 1943: 82, Hawaii; Zimmerman, 1943: 267, Hawaii.

Heliothis hawaiiensis (Quaintance and Brues)

Zimmerman, 1958: 211, Hawaii.

Heliothis phloxiphaga Grote and Robinson

Jackson, Bryan and Patana, 1969: 907-910 (lab.).

Heliothis virescens (Fabricius)

Bryan, D. E., Jackson and Stoner, 1969: 1, 5-6, 12 (lab.); Jackson, C. G., Bryan and Patana, 1969: 907-910 (lab.).

Heliothis zea (Boddie)

Bryan, D. E., Jackson and Stoner, 1969: 1, 5-6, 12 (lab.); Jackson, C. G., Bryan and Patana, 1969: 907-910, Ariz.; Bottrell, Young, Price and Adams, 1968: 1054, Okla.; Bosch and Hagen, 1966: 25, Calif.; Zimmerman, 1958: 214, Hawaii; Pemberton, 1948: 209, Hawaii (ex *H. armigera* (Hübner)); Van Zwaluwenburg, 1945: 215, Hawaii (ex *H. armigera*); Pemberton, 1943: 16 (ex *H. armigera*, lab.); Bibby, 1942: 943, Tex. (as *Anetia* ex *H. armigera*); Essig, 1926: 582, Calif. (as *Frontina* ex *H.*

obsoleta (Fabricius)); Essig, 1915: 397, Calif. (as *Frontina* ex *Chloridea obsoleta*); Essig, 1913: 165, Calif. (as *Frontina* ex *H. obsoleta*); Quaintance and Brues, 1905: 123, Calif. (as *Frontina* ex *H. obsoleta*); Coquillett, 1897: 15, 25, Calif. (as *Frontina* ex *H. armiger*); Coquillett, 1889: 331-332, Calif. (as *Tachina* ex *H. armigera*).

Heliothis spp. (including *H. hawaiiensis* (Quaintance and Brues) and/or *H. zea* (Boddie))

Zimmerman and Fletcher, 1956: 173, Hawaii.

Heliothis spp.

Bottrell, Young, Price and Adams, 1968: 1054, Okla.; Butler, 1958: 562, Ariz.; Van Zwaluwenburg, 1943: 82, 85 (lab.).

Leucania cholica (Dyar)

Van Zwaluwenburg, 1951: 373, W. Mexico (ex *Cirphis*).

Leucania inconspicua Herrich-Schaeffer

Most records ex *Cirphis inconspicua*.

Scaramuzza and Barry, 1960: 997, Cuba (as *Blondelia* ex *Pseudaletia*); Scaramuzza, 1951a: 297-298, Cuba (as *Frontina*); Van Dine and Christenson, 1932: 2, Cuba (as *Frontina* ex *C. "inconspicua"*); Cardin, 1915: 113, Cuba (as *Frontina* ex *C. "inconspicua"*).

Leucania latiuscula Herrich-Schaeffer

All records ex *Cirphis latiuscula*.

Van Zwaluwenburg, 1951: 373, Mexico; Van Zwaluwenburg, 1943: 81, Mexico (V.C.).

Mocis spp. (including *M. latipes* (Guenée) and/or *M. repanda* (Fabricius))

Most records ex *Mocis repanda*.

Scaramuzza and Barry, 1960: 997, Cuba (as *Blondelia*); Scaramuzza, 1951a: 300, Cuba (as *Frontina*); Scaramuzza, 1946: 549, Cuba (as *Frontina*); Van Dine and Christenson, 1932: 2, Cuba (as *Frontina*); Scaramuzza, 1929: 123, Cuba (as *Frontina*); Scaramuzza, 1929a: 113, Cuba (as *Frontina*); Cardin, 1915: 113, Cuba (as *Frontina* ex "*Remigera*").

Plusia spp.

Pemberton, 1943: 16, Hawaii; Van Zwaluwenburg, 1943: 83-84, Hawaii.

Polydesma umbricola Boisduval

Miyahira and Nakao, 1969: 439, Hawaii (probable parasite); Kamran, 1968: 1011, Hawaii; Zimmerman, 1958: 392, Hawaii; Pemberton, 1948: 209, Hawaii; Pemberton,

1948b: 195-196, 200, Hawaii; Van Zwaluwenburg, 1946: 16, Hawaii; Van Zwaluwenburg, 1946a: 476, Hawaii; Williams, 1946: 479, Hawaii.

Pseudaletia unipuncta (Haworth)

Most records ex *Cirphis unipuncta*.

Tanada, 1966: 307-308, Hawaii (ex *Pseudaletia*); Scaramuzza and Barry, 1960: 997, Cuba (as *Blondelia* ex *Pseudaletia*); Zimmerman, 1958: 305, Hawaii (ex *Pseudaletia*); Pemberton, 1951: 402, Hawaii; Scaramuzza, 1951a: 298, Cuba (as *Frontina*); Van Zwaluwenburg, 1951: 373, Mexico; Pemberton, 1945: 220, Hawaii; Pemberton, 1944: 18, Hawaii; Van Dine and Christenson, 1932: 2, Cuba (as *Frontina*).

Spodoptera exempta (Walker)

Most records ex *Laphygma exempta*.

Zimmerman, 1958: 336, Hawaii (ex *Spodoptera*); Van Zwaluwenburg, 1955: 375, Hawaii; Bess, 1951: 212, Hawaii; Pemberton, 1951: 402, Hawaii; Bianchi, 1949a: 345, Hawaii; Pemberton, 1948: 209, Hawaii; Pemberton, 1948b: 195-196, 200, Hawaii; Pemberton, 1944: 18, Hawaii; Van Zwaluwenburg, 1944: 4 (as "*Eucelaria*," lab.); Van Zwaluwenburg, 1944a: 12 (lab.); Pemberton, 1943: 16 (lab.); Van Zwaluwenburg, 1943: 82-87 (lab.).

Spodoptera exigua (Hübner)

Bosch and Hagen, 1966: 24, Calif.

Spodoptera frugiperda (J. E. Smith)

Most records ex *Laphygma frugiperda*.

Scaramuzza and Barry, 1960: 997, Cuba (as *Blondelia*); Scaramuzza, 1951a: 299-300, Cuba (as *Frontina*); *Van Zwaluwenburg, 1943: 82, Cuba (Bruner, S. C., 1934); Scaramuzza, 1942: 148, Cuba (as *Frontina*); Bruner, S. C., 1934: 96, Cuba (as *Frontina*); Van Dine and Christenson, 1932: 2, Cuba (as *Frontina*); Scaramuzza, 1929: 122, Cuba (as *Frontina* ex *L. [frugiperda]*); Scaramuzza, 1929a: 113, Cuba (as *Frontina* ex *L. [frugiperda]*); Cardin, 1915: 113, Cuba (as *Frontina*).

Spodoptera mauritia (Boisduval)

Tanada and Beardsley, 1958: 434, Hawaii.

Spodoptera praefica (Grote)

All records ex *Prodenia praefica*.

Bosch and Hagen, 1966: 26, Calif.; *Van Zwaluwenburg, 1943: 82, Calif. (Blanchard and Conger, 1932); Blanchard and Conger, 1932: 1065-1067, Calif.

Trichoplusia ni (Hübner)

Clancy, 1969: 1079, Calif.; Jackson, Bryan and Patana, 1969: 907-910 (lab.); Bosch and Hagen, 1966: 25, Calif.; Oatman, 1966: 1137-1138, Calif.; Butler, 1958: 562, Ariz.

Armyworm(-s)

Baver, 1950: 24, Hawaii; Bianchi, 1949: 328, Hawaii (ex armyworm in sugarcane); Pemberton, 1948a: 73, Hawaii.

Pieridae

Pieris rapae (Linnaeus)

Oatman, 1966: 1138, Calif.

Pyralidae

Hedylepta accepta (Butler)

All records ex *Omiodes accepta*.

Baver, 1950: 24, Hawaii; Pemberton, 1948: 209, Hawaii.

Hedylepta blackburni (Butler)

Van Zwaluwenburg, 1950: 7, Hawaii (ex *Omiodes*).

Herpetogramma licarsisalis (Walker)

Anon., 1969c: 260, Hawaii; Davis, 1969: 315, Hawaii; Davis and Chong, 1969: 320, Hawaii; Au, 1968: 17, Hawaii (as *E. "amigera"* ex *Pachyzancla*); Miyahira, 1968a: 562, Hawaii (probable parasite).

Hymenia recurvalis (Fabricius)

Pemberton, 1948: 209, Hawaii; Rosa, 1947: 6, Hawaii.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Larva — Van Zwaluwenburg, 1943: (descr.).

Pupa — Greene, 1922: (descr., fig. 59 on pl. 13).

BIOLOGY: Bryan, D. E., Jackson and Stoner, 1969: (1, 5-6, 12); Jackson, C. G., Bryan and Patana, 1969: (907-910); Kamran, 1968: (1011); Pemberton, 1948b: (195-196, 200); Van Zwaluwenburg, 1944a: (12); Van Zwaluwenburg, 1943: (82-87).

Eucelatoria armigera (Coquillett) probably

HOST: LEPIDOPTERA

Noctuidae

Peridroma saucia (Hübner)

Zimmerman, 1958: 290, Hawaii (ex *P. porphyrea* (Denis and Schiffermüller)).

Eucelatoria australis Townsend

Most records as *Compsilura oppugnator* Walton.

HOST: LEPIDOPTERA

Hesperiidae

Calpodes ethlius (Stoll)

Aldrich, 1927b: 19, West Indies (as *E. australis*).

Noctuidae

Leucania latiuscula Herrich-Schaeffer

Most records ex *Cirphis latiuscula*.

Scaramuzza and Barry, 1960: 997, Cuba (ex *Pseudaletia*);

Scaramuzza, 1951a: 298, Cuba; Wolcott, 1951a: 473,

P.R. (as *E. australis*); Wolcott, 1924: 161, 220, P.R.;

Walton, 1914a: 95, P.R.

Pyralidae

Agathodes monstralis Guenée

Cardin, 1915: 156, Cuba (as "*Consilura opugnator*").

STAGE PARASITIZED: Larva.

Eucelatoria comosa (Wulp)

HOST: LEPIDOPTERA

Noctuidae

Cutworm(-s)

Ingram, Jaynes and Lobdell, 1939: 97, Fla.

Eucelatoria rubentis (Coquillett)

Most records as *Eucelatoria* "*rubentris*."

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

Breeland, 1958: 323, 334, Tenn. (as "*Encelatoria*" *rubentis*).

Spodoptera exigua (Hübner)

All records ex *Laphygma exigua*.

Van Zwaluwenburg, 1943: 82, Fla.; Wilson, J. W., 1933: 3,

13-14, Fla.; Wilson, J. W., 1932: 39, Fla.

Armyworm(-s)

Hayslip, Genung, Kelsheimer and Wilson, 1953: 47, Fla. (as

E. rubentis ex armyworms and related forms).

STAGE PARASITIZED: Larva.

Eucelatoria rubentis (Coquillett) probably

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

Patton, 1958: 37, Fla. (as *E. sp.* (?dark *rubentis*),
incomplete rearing — pupa).

Eucelatoria "rubentris," see *Eucelatoria rubentis*

Eucelatoria spp.

HOST: LEPIDOPTERA

Noctuidae

Heliothis zea (Boddie)

Sifuentes and Young, 1960: 344, Mexico (as "*Eucletoria*"
(n. sp.?).)

Pyralidae

Hedylepta indicata (Fabricius)

Plank, 1945: 26-27, P.R.

Hymenia recurvalis (Fabricius)

Plank, 1945: 27, P.R. (ex *H. fascialis* (Cramer)).

Eucelatoriopsis Townsend (Goniinae: Blondeliini)

Eucelatoriopsis dimmocki (Aldrich)

Most records as *Anetia dimmocki*.

HOST: COLEOPTERA

Chrysomelidae

Agrioconota bivittata (Say)

Stearns, 1933: 151, 153, Del. (ex *Metriona*).

Chelymorpha cassidea (Fabricius)

Aldrich, 1932: 4, 6-7, Fla., Mass., N.H., Va.

Coptocycla sp.

Aldrich, 1932: 7, Md.

Metriona bicolor (Fabricius)

Aldrich, 1932: 7, La.

Plagiometriona clavata (Fabricius)

Most records ex *Deloyala clavata*.

Fattig, 1949: 20 (as *Lydellohoughia* ex *Plagiometriona*);
Brimley, 1938: 363, N.C.; Aldrich, 1932: 7, probably
N.C. (ex "*Deloyola*").

STAGE PARASITIZED: Larva.

Eucelatoriopsis dimmocki (Aldrich) probably

HOST: COLEOPTERA

Chrysomelidae

Plagiometriona clavata (Fabricius)

All records ex *Coptocycla clavata*.

*Vide Aldrich, 1932: 7, Md. (as *Anetia*, Coquillett, 1897);
Coquillett, 1897: 17, 23, Md. (as *Hypostena barbata*
Coquillett).

STAGE PARASITIZED: Larva.

Euceromasia Townsend (Goniinae: Eryciini)

Euceromasia floridensis Reinhard

HOST: LEPIDOPTERA

Yponomeutidae

Urodus parvulus (H. Edwards)

Reinhard, 1957: 111, Fla. (ex *Trichostiba*).

Eucheirophaga James (Tachininae: Ernestiini)

Eucheirophaga lugubris James

HOST: LEPIDOPTERA

Pieridae

Eucheira socialis Westwood

Shaw, 1947: 436-437, Mexico; James, M. T., 1945: 330,
Mexico (Mor.).

STAGE PARASITIZED: Larva.

"*Eucletoria*" (n. sp.), see *Eucelatoria* spp.

Euclytia Townsend (Phasiinae: Phasiini)

Euclytia flava (Townsend)

IMMATURES: Pupa — Greene, 1922: (as *Clytiomyia*; descr., fig.
48 on pl. 10).

Eucnephalia Townsend (Goniinae: Goniini)

Eucnephalia sp. probably

HOST: LEPIDOPTERA

Noctuidae

Protorthodes rufula (Grote)

Coquillett, 1894: 26, Calif. (ex *Taeniocampa*).

STAGE PARASITIZED: Larva.

Eucoronimyia Townsend (Goniinae: Siphonini)

Eucoronimyia hastata (Coquillett)

All records as *Isoglossa hastata*.

HOST: LEPIDOPTERA

Pyralidae

Titanio belialis Druce

Essig, 1926: 579, Colo.; Dyar, 1902: 397, Colo. (ex *Pionea*).

STAGE PARASITIZED: Larva.

Euexorista Townsend (Goniinae: Eryciini)

Euexorista futilis (Osten Sacken)

Most records as *Zenillia futilis*.

HOST: LEPIDOPTERA

Arctiidae

Apantesis oithona Strecker

Learned, 1927: 219 (lab.).

Apantesis phalerata (Harris)

*Sellers, 1943: 12 (Learned, 1927); Learned, 1927: 219 (lab.).

Euchaetias egle (Drury)

Sellers, 1943: 12; Schaffner and Griswold, 1934: 39, 112.

Isia isabella (J. E. Smith)

*Sellers, 1943: 12 (Tothill, 1913); Essig, 1926: 581;

*Aldrich and Webber, 1924: 43, Ont. (Tothill, 1913);
Tothill, 1913: 71, Ont. (as *Exorista*).

Geometridae

Ennomos subsignarius (Hübner)

Sellers, 1943: 12; Schaffner and Griswold, 1934: 99-100,
112, Mass.; Aldrich and Webber, 1924: 43.

Hesperiidae

Thymelicus lineola (Ochsenheimer)

Arthur, 1962: 1085, Ont. (as *Euexorista*).

Lasiocampidae

Malacosoma americanum (Fabricius)

Kulman, 1965: 68, W. Va. (as *Euexorista*); Sellers, 1943: 12;
Bess, 1936: 605; Schaffner and Griswold, 1934: 88, 112;
West, 1928: 814, N.Y.

Malacosoma californicum californicum (Packard)

*Aldrich and Webber, 1924: 43, Calif. (ex *M. thoracica*
(Stretch), Coquillett, 1897); Coquillett, 1897: 14, 24,
Calif. (as *Exorista ex Clisiocampa thoracica*).

Malacosoma californicum pluviale (Dyar)

Stehr and Cook, 1968: 274-275, 300, Oreg., Wash. (as
Euexorista).

Malacosoma disstria Hübner

Sippell, 1961: 433, 435-436, fig. 6, Ont. (as *Euexorista*);
McGugan, Haliburton and MacDonald, 1952: 45, Ont.
(as *Euexorista*); Raizenne, 1952: 103, Ont. (as
Euexorista); Sellers, 1943: 12; Sellers, 1943: 12 (ex *M.*
disstria erosa form *thoracica*); Bess, 1936: 605; Schaffner
and Griswold, 1934: 89, 112; Essig, 1926: 581, Calif.;
Aldrich and Webber, 1924: 43, N.Y.

Malacosoma spp.

Ross, 1953: 20, 23, fig. 11, B.C. (as *Euexorista*).

Noctuidae

Apamea apamiformis (Guenée)

Most records ex *Hadena apamiformis*.

Sellers, 1943: 12 (ex *Septis*); Johnson, 1910: 780, N.J. (as
Exorista); Coquillett, 1897: 14, 25 (as *Exorista*);
Brauer and Bergenstamm, 1895: 567, 593, N. Amer.
(as *Parexorista*).

Autographa californica (Speyer)

*Sellers, 1943: 12 (Essig, 1926); Essig, 1926: 581, Calif.

Hyppa xylinoides (Guenée)

Tothill, 1913: 71, Ont. (as *Exorista*).

Nephelodes emmedonia (Cramer)

Sellers, 1943: 12; Schaffner and Griswold, 1934: 46, 112.

Nycteola spp. (including *N. cinereana* Neumoegen and Dyar, *N.*
columbiana H. Edwards and/or *N. frigidana* Walker)

Sellers, 1943: 12 (ex *Sarrothripus revayanus* (Scopoli));
Schaffner and Griswold, 1934: 63-64, 112 (ex *N.*
revayana).

Sideridis maryx (Guenée)

Brauer and Bergenstamm, 1895: 567, 599 (as *Parexorista* ex *Mamestra vindemialis* Grote).

Nymphalidae

Nymphalis milberti (Godart)

Sellers, 1943: 12; Schaffner and Griswold, 1934: 11, 112 (ex *Hamadryas*).

Vanessa atalanta (Linnaeus)

Sellers, 1943: 12; Schaffner and Griswold, 1934: 12, 112 (ex *Cynthia*); Aldrich, 1932: 3, Mass.; Essig, 1926: 581; Webber and Schaffner, 1926: 17, New England; Johnson, 1925: 197, Conn., Maine, Mass., N.H., R.I., Vt. (ex "*Vanassa*"); Johnson, 1925a: 87, New England; Aldrich and Webber, 1924: 43; Johnson, 1910: 780, N.J. (as *Exorista* ex *Pyrameis*); Hitchings, 1908: 11, Maine (as *Exorista*); *Brauer and Bergenstamm, 1895: 567, 609 (as *Parexorista*, Williston, 1889); Williston, 1889: 1914, 1918, Conn. (as *Exorista*); Osten Sacken, 1887: 162 (as *Tachina*).

Vanessa cardui (Linnaeus)

*Sellers, 1943: 12 (Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 13, 112 (ex *Cynthia*).

Vanessa spp.

Sellers, 1943: 12.

Pyralidae

Ostrinia nubilalis (Hübner)

All records ex *Pyrausta nubilalis*.

Sellers, 1943: 12; Aldrich and Webber, 1924: 43, Mass.

Saturniidae

Antheraea polyphemus (Cramer)

Hitchings, 1908: 11, Maine (as *Exorista* ex *polyphemus* moth).

Unidentified Lepidoptera

Miscellaneous

Essig, 1926: 581, Oreg., N. Amer. (ex many moths and butterflies).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Sippell, 1961: (descr., fig. 6); Ross, 1953: (descr., fig. 11); Greene, 1922: (descr., fig. 93 on pl. 19).

BIOLOGY: Sellers, 1943: (12); Schaffner and Griswold, 1934: (112); Learned, 1927: (219).

Eufrentina Brooks (Goniinae: Eryciini)

Eufrentina ethniae Brooks

HOST: LEPIDOPTERA

Ethmiidae

Ethmia longimaculella (Clemens)

Brooks, 1945: 91, Ont. (ex "*Ethnia*").

Eufrentina spectabilis (Aldrich)

HOST: LEPIDOPTERA

Pyralidae

Canarsia ulmiarrosorella (Clemens)

Raizenne, 1952: 178, Ont.

Tetralopha asperatella (Clemens)

Brooks, 1945: 91, Que.

Tetralopha robustella Zeller

Schaffner, 1959: 13, 48, Mass., N.H. (as *Achaetoneura*);

Webber, 1930: 4 (as *Achaetoneura*).

IMMATURES: Pupa — Brooks, 1945: (descr.).

BIOLOGY: Schaffner, 1959: (13, 48).

Euhaliidaya Walton (Goniinae: Acemyini)

Euhaliidaya genalis (Coquillett)

HOST: ORTHOPTERA

Phasmatidae

Diapheromera femorata (Say)

Walton, 1914b: 132, Wis. (as "*Euhallidaya*" *severinii* Walton).

Diapheromera spp.

Walton, 1918: 23 (as *E. severinii*).

STAGE PARASITIZED: Adult.

Euhaliidaya severinii, see *Euhaliidaya genalis*

"*Euhallidaya*" *severinii*, see *Euhaliidaya genalis*

Eulasiona Townsend (Dexiinae: Macquartiini)

Eulasiona comstocki Townsend

HOST: LEPIDOPTERA

Oecophoridae

Psilocorsis sp.

Daviault, 1935: 245, Que.

Olethreutidae

Epinotia sollicitana (Walker)

Smith, C. C., 1946: 120, N.B.

Pseudexentera improbana oregonana (Walsingham)

Wong, H. R., and Melvin, 1967: 4, Man. (ex *P. oregonana*).

STAGE PARASITIZED: Larva.

Eulasiona genalis (Townsend)

All records as *Paramuscopteryx genalis*.

HOST: LEPIDOPTERA

Aegeriidae

Unidentified Aegeriidae

Tilden, 1954: 43, Calif.; Tilden, 1951: 164, 166, Calif. (ex host feeding on *Baccharis pilularis* DeCandolle).

STAGE PARASITIZED: Larva.

Eulasiona nigra Curran

HOST: LEPIDOPTERA

Tortricidae

Archips rosanus (Linnaeus)

Curran, 1924: 194, B.C. (ex *Cacoecia*).

STAGE PARASITIZED: Larva.

Euloewia globosa, see *Myiophasia globosa*

Eumasicera Townsend (Goniinae: Eumasicerini)

Eumasicera sternalis (Coquillett)

HOST: LEPIDOPTERA

Citheroniidae

Anisota rubicunda (Fabricius)

Schaffner and Griswold, 1934: 30-31, 119.

Anisota senatoria J. E. Smith

Schaffner and Griswold, 1934: 29-30, 119.

STAGE PARASITIZED: Pupa.

BIOLOGY: Schaffner and Griswold, 1934: (119).

Eumasicera sp. near *sternalis* (Coquillett)

HOST: LEPIDOPTERA

Noctuidae

Acronicta impleta Walker

Schaffner and Griswold, 1934: 55, 119 (ex *Acronycta*).

Acronicta sp.

Schaffner and Griswold, 1934: 60, 119 (ex *Acronycta*).

STAGE PARASITIZED: Pupa.

BIOLOGY: Schaffner and Griswold, 1934: (119).

Eumea caesar, see *Aplomya caesar*

Eumyothyria sp., see *Cryptomeigenia* spp.

Eupelecotheca Townsend (Goniinae: Neominthoini)

Eupelecotheca celer Townsend

HOST: LEPIDOPTERA

Limacodidae

Packardia ceanothi Dyar

Raizenne, 1952: 160, Ont.

Euphasiopteryx Townsend (Proseninae: Ormiini)

Euphasiopteryx brevicornis nuttingi Sabrosky

HOST: ORTHOPTERA

Tettigoniidae

Neoconocephalus ensiger (Harris)

Nutting, 1953: 79, Mass. (as *E. brevicornis* (Townsend)).

Neoconocephalus robustus (Scudder)

Sabrosky, 1953: 293, Mass.

Neoconocephalus robustus robustus (Scudder)

Nutting, 1953: 69-81, fig. 3, figs. 2-10 on pl. 4, Mass. (as *E. brevicornis*).

Unidentified Orthoptera

Miscellaneous

Sabrosky, 1953: 293.

STAGE PARASITIZED: Adult.

IMMATURES: First instar larva — Nutting, 1953: (descr., figs. 2-5 on pl. 4).

Second instar larva — Nutting, 1953: (descr., fig. 10 on pl. 4).

Third instar larva — Nutting, 1953: (descr., figs. 6, 9 on pl. 4).

Pupa — Nutting, 1953: (descr., fig. 3, figs. 7-8 on pl. 4).

BIOLOGY: Nutting, 1953: (69-81).

Euphasiopteryx ochracea (Bigot)

HOST: ORTHOPTERA

Gryllidae

Gryllus sp.Reinhard, 1922: 72-73, Tex. (as *Ormia* ex *G. assimilis* (Fabricius), incomplete rearing — pupa).

STAGE PARASITIZED: Adult.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 12 on pl. 3).

Euphorocera Townsend (Goniinae: Exoristini)**Euphorocera claripennis** (Macquart)Most records as *Phorocera claripennis*.

HOST: COLEOPTERA

Chrysomelidae

Calligrapha multipunctata (Say)Coquillett, 1897: 11, 23, Mo. (as *Euphorocera* ex *Chrysomela*).

Coccinellidae

Epilachna borealis FabriciusJohnson, 1910: 780, N.J. (as *Euphorocera* ex "*Epilachnae*");Chittenden, 1899: 16 (as *Euphorocera*); Coquillett,1897: 12, 23, N.J. or N.Y. (as *Euphorocera*).*Epilachna varivestis* Mulsant

Howard, N. F., and Landis, 1936: 2, 4-5, fig. 1B, Ala., Ky.,

Md., N.C., N.J., Ohio, Tenn., Va.; Friend and Turner,

1931: 92, Ala. (ex *E. corrupta* Mulsant); Howard, N. F.,1930: 7, Ala. (ex *E. corrupta*); Howard, N. F., 1924: 7,Ala. (ex *E. corrupta*).

Unidentified Coleoptera

Miscellaneous

Balduf, 1937: 173; Aldrich and Webber, 1924: 59.

HOST: HYMENOPTERA

Diprionidae

Diprion similis (Hartig)

Webber, 1932: 206.

Neodiprion abbotii (Leach)

Hetrick, 1941: 376, Va. (ex *N. americanus* (Leach)).

Neodiprion lecontei (Fitch)

Benjamin, 1955: 20, U.S.; Webber and Schaffner, 1926: 29, New England (ex *Lophyrus*); Greene, 1921: 41, Wis.; Middleton, 1921: 757.

Neodiprion sertifer (Geoffroy)

Raizenne, 1957: 14, Ont. (as *Neophorocera*).

Neodiprion virginiana Rohwer

Greene, 1921: 43, W. Va.

Neodiprion sp.

Greene, 1921: 41, W. Va.

Diprionid spp. (including *Diprion* spp. and/or *Neodiprion* spp.)

All records ex *Lophyrus* sp.

Fattig, 1949: 26; Brimley, 1922: 24-25, N.C.; Coquillett, 1897: 12, 22, Tenn. (as *Euphorocera*).

Unidentified Hymenoptera

Sawfly(-flies)

Balduf, 1937: 173; Aldrich, 1932: 4, N.H. (ex larvae on *Pinus rigida* Miller); Aldrich and Webber, 1924: 59.

HOST: LEPIDOPTERA

Arctiidae

Apantesis oithona Strecker

Allen, 1929: 686, Miss.

Apantesis proxima (Guérin-Méneville)

Essig, 1926: 582, Calif.; Coquillett, 1897: 11, 24, Calif. (as *Euphorocera* ex *Arctia docta* (Walker)).

Eubaphe aurantiaca rubicundaria (Hübner)

Coquillett, 1897: 11, 24, Fla. (as *Euphorocera* ex *Crocota rubicundaria*).

Euchaetias egle (Drury)

Schaffner and Griswold, 1934: 39, 114; Webber and Schaffner, 1926: 20, New England.

Halisidota tessellaris (J. E. Smith)

Schaffner and Griswold, 1934: 34, 114; Coquillett, 1897: 12, 25, N.Y. (as *Euphorocera*).

Hyphantria cunea (Drury)

Schaffner and Griswold, 1934: 37, 114; Essig, 1926: 582, Calif.; Johnson, 1925: 198, Conn., Maine, Mass., N.H.,

R.I. (ex fall webworm); Howard, 1897b: 43, fig. 23, D.C.
(as *Euphorocera*).

Utetheisa ornatrix bella (Linnaeus)

Schaffner and Griswold, 1934: 39-40, 114, N.J. (ex *U. bella*).

Citheroniidae

Anisota rubicunda (Fabricius)

Schaffner and Griswold, 1934: 30-31, 114.

Anisota senatoria J. E. Smith

Schaffner and Griswold, 1934: 29-30, 114; Johnson, 1910:
780, N.J. (as *Euphorocera*); Coquillett, 1897: 11, 23 (as
Euphorocera).

Ctenuchidae

Lymire edwardsii (Grote)

Bratley, 1929: 44, Fla.

Gelechiidae

Anarsia lineatella Zeller

Essig, 1926: 582; Howard, 1897b: 43, fig. 23, D.C. (as
Euphorocera).

Geometridae

Cingilia catenaria (Cramer)

Schaffner and Griswold, 1934: 98, 114; Aldrich, 1932: 2,
N.H.

Itame sulphurea (Packard)

Franklin, 1950: 57.

Philtraea elegantaria (H. Edwards)

Tucker, E. S., 1917: 395, La. (as *Phorocera*).

Semiothisa neptaria (Guenée)

Coquillett, 1897: 12, 26, Calif. (as *Euphorocera* ex *Phasiana*
"neptata").

Hesperiidae

Epargyreus clarus (Cramer)

All records ex *Epargyreus tityrus* (Fabricius).

Schaffner and Griswold, 1934: 15, 114; Allen, 1929: 686,
Miss.

Lasiocampidae

Malacosoma americanum (Fabricius)

Bess, 1936: 605; Schaffner and Griswold, 1934: 88, 114.

Malacosoma disstria Hübner

Bess, 1936: 605; Schaffner and Griswold, 1934: 89, 114;
Essig, 1926: 582, Calif.; Johnson, 1910: 780, N.J. (as
Euphorocera ex *Clisiocampa*); Coquillett, 1897: 11, 24,
Mass. (as *Euphorocera* ex *Clisiocampa*).

Malacosoma sp.

Tothill, 1913: 70 (as *Euphorocera*).

Apple tree tent caterpillar(-s)

Brimley, 1922: 24-25, N.C.

Limaecodidae

Sibine stimulea (Clemens)

All records ex *Empretia stimulea*.

Johnson, 1910: 780, N.J. (as *Euphorocera*); Coquillett,
1897: 11, 25, Ind. (as *Euphorocera*).

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

Howard and Fiske, 1911: 93 (as *Euphorocera*); Fernald,
1898: 28, Mass. (as *Euphorocera*).

Hemerocampa leucostigma (J. E. Smith)

Franklin, 1950: 57; Dowden, 1935: 509; Schaffner and
Griswold, 1934: 85, 114; Essig, 1926: 582; Webber and
Schaffner, 1926: 12-13, 20, Mass., New England, N.Y.,
Pa., R.I.; Britton, 1917: 110 (as *Euphorocera*); Johnson,
1910: 780, N.J. (as *Euphorocera* ex *Orgyia*); Howard,
1898: 88, D.C. (as *Euphorocera* ex *Orgyia*); Coquillett,
1897: 12, 26, D.C. (as *Euphorocera* ex *Orgyia*); Howard,
1897a: 16-17, D.C. (as *Euphorocera* ex *Orgyia*); Howard,
1897b: 7, 43, 49, fig. 23, D.C. (as *Euphorocera* ex
Orgyia).

Nygmia phaeorrhoea (Donovan)

Burgess and Crossman, 1929: 143.

Porthetria dispar (Linnaeus)

Burgess and Crossman, 1929: 143.

Stilpnotia salicis (Linnaeus)

Burgess and Crossman, 1927: 14, New England.

Tussock moth(-s)

Johnson, 1925: 198, Conn., Maine, Mass., N.H., R.I.

Megalopygidae

Lagoa sp.

Coquillett, 1897: 12, 25 (as *Euphorocera*).

Megalopyge crispata (Packard)

All records ex *Lagoa crispata*.

Schaffner, 1959: 7, 52, [N.E. U.S.]; Schaffner and
Griswold, 1934: 105-106, 114; Aldrich, 1932: 3, Mass.

Megalopyge opercularis (J. E. Smith)

Bishopp, 1923: 13, Tex.; Reinhard, 1922: 73, Tex.

Megalopyge pyxidifera (J. E. Smith)

Patton, 1958: 80, Fla.

Noctuidae

Acronicta hamamelis Guenée

Coquillett, 1897: 11, 23, Va. (as *Euphorocera* ex *Acronycta*).

Actebia fennica (Tauscher)

Phipps, 1927: 212 (ex *Agrotis*); Britton, 1926: 324, Conn.
(ex *Noctua*).

Agrotis ipsilon (Hufnagel)

All records ex *Agrotis ypsilon*.

Franklin, 1950: 57; Crumb, 1929: 40; Essig, 1926: 582,
Calif.; Howard, 1897b: 43, fig. 23, D.C. (as
Euphorocera).

Alabama argillacea (Hübner)

Most records ex *Aletia argillacea*.

Essig, 1926: 582 (ex *Alabama*); Coquillett, 1897: 11, 23
(as *Euphorocera*); Howard, 1897b: 43, fig. 23, D.C. (as
Euphorocera).

Noctuidae

Amathes c-nigrum (Linnaeus)

Most records ex *Agrotis c-nigrum*.

Franklin, 1950: 57 (ex *Amathes*); *Crumb, 1929: 40, 140
(Franklin and Lacroix, 1924); Franklin and Lacroix,
1924: 408, Mass.

Eubolina sp. probably

Coquillett, 1897: 12, 25, Calif. (as *Euphorocera*).

Euxoa auxiliaris (Grote)

Walkden, 1943: 381 (ex *Chorizagrotis*).

Faronta diffusa (Walker)

Essig, 1926: 582, B.C. (ex *Neleucania albilinea* (Hübner));
 Webster, R. L., 1911: 181, Iowa (as *Euphorocera* ex
Meliana albilinea); Howard, 1897b: 43, fig. 23, D.C. (as
Euphorocera ex *Leucania albilinea*).

Feltia ducens Walker — *Feltia subgothica* (Haworth) complex
 Crumb, 1929: 40, 68.

Feltia herilis (Grote)

Coquillett, 1897: 12, 25, Mo., Tenn. (as *Euphorocera*);
 Howard, 1897b: 43, fig. 23, D.C. (as *Euphorocera*).

Feltia subgothica (Haworth)

Brimley, 1922: 24-25, N.C.

Heliothis virescens (Fabricius)

Patton, 1958: 80, Fla.

Heliothis zea (Boddie)

All records ex *Heliothis obsoleta* (Fabricius).

Essig, 1926: 582; Quaintance and Brues, 1905: 123, Tex.
 (as *Euphorocera*).

Hydroecia immanis Guenée

Howard, 1897b: 43, fig. 23, D.C. (as *Euphorocera*).

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

Schaffner and Griswold, 1934: 48, 114 (ex *Graptolitha* spp.
 (including *G. disposita*, *G. innominata* and/or *G. petulca*)).

Mocis spp. (including *M. latipes* (Guenée) and/or *M. repanda* (Fabricius))

Most records ex *Remigia repanda*.

Wolcott, 1951a: 478, P.R. (as *Euphorocera* ex *Mocis*);
 Wolcott, 1924: 222, P.R. (as *Euphorocera*); Jones, T.
 H., and Wolcott, 1922: 49, P.R.

Peridroma saucia (Hübner)

Crumb, 1929: 40 (ex *Lycophotia*); Essig, 1926: 582, Oreg.
 (ex *Lycophotia margaritosa* (Haworth)); Lovett, 1915:
 145, Oreg. (as *Euphorocera* ex *P. margaritosa saucia*).

Plathypena scabra (Fabricius)

Fattig, 1949: 26; Smith, R. C., 1943: 378, Kans. (ex green
 clover worm); Hill, 1925: 17, Md.; Brimley, 1922: 24-25,
 N.C. (as green clover worm); Sherman, 1920: 298-299,
 N.C.

Plathypena scabra (Fabricius) probably

Patton, 1958: 80, Fla.

Pseudaletia unipuncta (Haworth)

Most records ex *Cirphis unipuncta*.

Fattig, 1949: 26, Ga.; Schaffner and Griswold, 1934: 47, 114; Essig, 1926: 582, Canada; Baker, 1915: 86, Ont. (ex *Heliophila*); Gibson, 1915: 14, Ont.; Sherman, 1915: 299-302, N.C. (ex *Heliophila*); Tothill, 1913: 70, Ont. (as *Euphorocera* ex *Heliophila*).

Scotogramma trifolii (Rottenburg)

Most records ex *Mamestra trifolii*.

Essig, 1926: 582, Colo. (ex *Scotogramma*); Marsh, 1913: 17, Colo. or Kans.; Titus and Pratt, 1904: 77 (as *Euphorocera* ex *M. "tripolii"*); Coquillett, 1897: 12, 26, D.C., Mo. (as *Euphorocera*); Howard, 1897b: 43, fig. 23, D.C. (as *Euphorocera*).

Spodoptera eridania (Cramer)

Patton, 1958: 80, Fla. (ex *Prodenia*).

Spodoptera frugiperda (J. E. Smith)

All records ex *Laphygma frugiperda*.

Luginbill, 1928: 81, Ala., S.C.; Reinhard, 1922: 73, Tex.

Spodoptera praefica (Grote)

All records ex *Prodenia praefica*.

Bosch and Hagen, 1966: 26, Calif.; Blanchard and Conger, 1932: 1067, Calif.

Armyworm(-s)

Patton, 1958: 80, Fla.; Brimley, 1922: 24-25, N.C.

Cutworm(-s)

Knowlton and Harmston, 1937: 148, Utah; Johnson, 1925: 198, Conn., Maine, Mass., N.H., R.I.; Chittenden, 1903: 34, fig. 31 (as "*Euphrocera*").

Noctuidae and/or Pyralidae

Noctuid and/or pyralid spp. (including *Scotogramma trifolii* (Rottenburg) and/or *Loxostege sticticalis* (Linnaeus))

Anon., 1956d: 1044, Idaho (ex clover cutworm and/or beet webworm).

Notodontidae

Datana angusii Grote and Robinson

Schaffner and Griswold, 1934: 74-75, 114.

Datana contracta Walker

Webster, 1899a: 224, Ind. (as *Euphorocera*); Coquillett, 1897: 11, 24, Ind. (as *Euphorocera*).

Datana integerrima Grote and Robinson

Fattig, 1949: 26; Hixson, 1941: 20, Okla.; Haseman, 1940:

12-13, fig. 5, Mo.; Schaffner and Griswold, 1934: 76, 114; Baerg, 1928: 15, Ark.; Leiby, 1925: 23, N.C. (as *Euphorocera* ex "*Dantana*"); Brimley, 1922: 24-25, N.C.

Datana ministra (Drury)

Schaffner and Griswold, 1934: 74, 114; Allen, 1929: 686, Miss.; Essig, 1926: 582; Webster, 1898: 19, Ohio (as *Euphorocera* "*clavipennis*"); Howard, 1897b: 43, fig. 23, D.C. (as *Euphorocera*).

Datana perspicua Grote and Robinson

Fattig, 1949: 26, Ga.; Schaffner and Griswold, 1934: 75, 114.

Datana sp.

Allen, 1924: 24, Miss. (ex *Datana* on oak).

Ichthyura inclusa Hübner

All records ex *Melalopha inclusa*.

Allen, 1929: 686, Miss.; Brimley, 1922: 24-25, N.C.

Schizura concinna (J. E. Smith)

Schaffner and Griswold, 1934: 81, 114; Allen, 1929: 686, Miss.; Essig, 1926: 582; Webber and Schaffner, 1926: 19, New England; Cole, F. R., and Lovett, 1921: 302, Oreg.; Coquillett, 1897: 12, 26, Mo. (as *Euphorocera* ex *Oedemasia*).

Schizura unicornis (J. E. Smith)

Webster and Mally, 1897: 42-43, Ohio (as *Euphorocera* ex *Coelodasys*).

Nymphalidae

Agraulis vanillae Linnaeus

Essig, 1926: 582, Calif. (ex *Dione*); Coquillett, 1897: 11, 23, Calif. (as *Euphorocera*).

Asterocampa clyton (Boisduval and LeConte)

Coquillett, 1897: 11, 24, La. (as *Euphorocera* ex *Apatura*).

Chlosyne lacinia (Geyer)

Reinhard, 1922: 73, Tex. (ex *Synchlœ*).

Nymphalis antiopa (Linnaeus)

Schaffner and Griswold, 1934: 11, 114 (ex *Hamadryas*); Essig, 1926: 582 (ex *Aglaïs*); Johnson, 1910: 780, N.J. (as *Euphorocera* ex *Vanessa*).

Polygonia comma (Harris)

Schaffner and Griswold, 1934: 10, 114.

Polygonia interrogationis (Fabricius)

Schaffner and Griswold, 1934: 9-10, 114.

Pieridae

Colias eurytheme Boisduval

Most records ex *Eurymus eurytheme*.

Anon., 1963: 5 (ex *Colias*); Anon., 1952: 4 (ex *C. philodice eurytheme*); Smith, R. C., 1943: 378, Kans. (ex alfalfa caterpillar); Essig, 1926: 582, Calif., Utah; Wildermuth, 1920: 8; Wildermuth, 1914: 24, fig. 14, Ariz., Calif., Kans., Tenn., Utah; Wildermuth, 1911: 7-8, fig. 6 (as *Euphorocera*).

Pieris rapae (Linnaeus)

Poos, 1928: 147, Va. (ex *Pontia*).

Psychidae

Thyridopteryx ephemeraeformis (Haworth)

Kulman, 1965a: 864, W. Va.; Schaffner, 1959: 46, 52, [N.E. U.S.]; Patton, 1958: 80, Fla.; Schaffner and Griswold, 1934: 102-103, 114.

Pyralidae

Crambus mutabilis Clemens

Ainslie, G. G., 1927: 14-15, Ind.; Ainslie, G. G., 1923: 411-412, Ind.

Crambus spp.

Noble, 1932: 3, U.S.

Pyralidae and/or Noctuidae,
see Noctuidae and/or Pyralidae

Saturniidae

Automeris io (Fabricius)

Schaffner and Griswold, 1934: 28, 114; Webber and Schaffner, 1926: 25, New England.

Callosamia promethea (Drury)

Schaffner and Griswold, 1934: 27, 114.

Hemileuca electra Wright

Essig, 1926: 582, Calif.; Coquillett, 1897: 12, 25, Calif. (as *Euphorocera*).

Hemileuca nevadensis Stretch

Essig, 1926: 582, N. Mex.; Coquillett, 1897: 12, 25, N. Mex. (as *Euphorocera* ex *H. artemis* Packard).

Hemileuca oliviae Cockerell

Wildermuth and Frankenfeld, 1933: 797, [N. Mex.]; Ainslie, 1910: 92, fig. 52, N. Mex. (as *Euphorocera*).

Hemileuca spp. (including *H. lucina* H. Edwards and/or *H. maia* (Drury))

Schaffner and Griswold, 1934: 29, 114.

Platysamia cecropia (Linnaeus)

Schaffner and Griswold, 1934: 26-27, 114.

Sphingidae

Ceratomia catalpae (Boisduval)

Schaffner and Griswold, 1934: 17, 114, N.J.; Howard and Chittenden, 1916: 6, fig. 4; Howard and Chittenden, 1907: 5, fig. 2 (as *Euphorocera*); Coquillett, 1897: 11, 24 (as *Euphorocera*); Howard, 1897b: 43, fig. 23, D.C. (as *Euphorocera*).

Ceratomia undulosa (Walker)

Brimley, 1922: 24-25, N.C.

Sphinx chersis (Hübner)

Essig, 1926: 582, Canada.

Zygaenidae

Harrisina americana (Guérin-Méneville)

Coquillett, 1897: 12, 25, Ga. (as *Euphorocera*).

Unidentified Lepidoptera

Miscellaneous

Smith, R. C., 1943: 378, Kans.; Knowlton and Janes, 1931: 147, Utah; Aldrich and Webber, 1924: 59; Aldrich, 1915: 83 (as *Euphorocera*); Howard and Chittenden, 1907: 5, fig. 2 (as *Euphorocera*).

HOST: ORTHOPTERA

Acrididae

Melanoplus differentialis (Thomas)

Essig, 1926: 582; Morgan, 1901: 25, fig. 11, Miss. delta (as *Euphorocera*).

Grasshopper(-s)

Knowlton and Harmston, 1937: 148, Utah.

STAGE PARASITIZED: Larva (Coleoptera, Hymenoptera,

Lepidoptera), pupa (Coleoptera, Hymenoptera, Lepidoptera), adult (Coleoptera).

IMMATURES: Egg — Haseman, 1940: (fig. 5); Howard, N.F., and Landis, 1936: (descr., fig. 1B); Wildermuth, 1920: (descr.). Third instar larva — Howard, N. F., and Landis, 1936: (descr.). Pupa — Howard, N. F., and Landis, 1936: (descr.); Greene, 1922: (descr., fig. 73 on pl. 16); Howard and Chittenden, 1916: (fig. 4); Wildermuth, 1914: (fig. 14); Wildermuth, 1911: (fig. 6); Ainslie, 1910: (fig. 52); Howard and Chittenden, 1907: (fig. 2); Chittenden, 1903: (fig. 31); Morgan, 1901: (fig. 11); Howard, 1897b: (fig. 23).

BIOLOGY: Anon., 1963: (5); Schaffner, 1959: (7, 46, 52); Anon., 1952: (4); Hixson, 1941: (20); Haseman, 1940: (12-13); Howard, N. F., and Landis, 1936: (2, 4-5); Dowden, 1935: (509); Schaffner and Griswold, 1934: (114); Ainslie, G. G., 1923: (411-412); Bishopp, 1923: (13); Wildermuth, 1920: (8); Webster, 1899a: (224); Coquillett, 1897: (11, 24); Howard, 1897b: (7, 43, 49).

Euphorocera claripennis (Macquart) probably

HOST: LEPIDOPTERA

Megalopygidae

Megalopyge opercularis (J. E. Smith)

Micks, 1956: 38-39, Tex. (as *Phorocera*).

STAGE PARASITIZED: Larva.

Euphorocera sp. near *claripennis* (Macquart)

HOST: HYMENOPTERA

Diprionidae

Diprion polytomum (Hartig)

Reeks, 1938: 26, N.B. (as *Phorocera*).

STAGE PARASITIZED: Pupa.

Euphorocera "clavipennis," see *Euphorocera claripennis*

Euphorocera edwardsii (Williston)

Most records as *Neophorocera edwardsii*.

HOST: HYMENOPTERA

Diprionidae

Diprion hercyniae (Hartig)

Finlayson, T., 1960a: 923, 938.

Diprion similis (Hartig)

Finlayson, T., 1962: 273, 280, Canada.

Neodiprion abbotii (Leach)

Finlayson, T., 1963: 476, 503.

Neodiprion lecontei (Fitch)

Finlayson, T., 1963: 479, 503.

Neodiprion sertifer (Geoffroy)

Finlayson, T., 1960: 25, 42, fig. 22.

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma americanum (Fabricius)

Kulman, 1965: 68, W. Va. (as *Phorocera*).

Malacosoma disstria Hübner

Sippell, 1961: 434, 436, fig. 4, Ont.; Raizenne, 1952: 102, Ont.

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Raizenne, 1952: 95, Ont.

Noctuidae

Euxoa messoria (Harris) probably

*Vide Brauer and Bergenstamm, 1895: 569, 581 (as (*Phorocera*) ex *Agrotis cochrani* (Riley), Townsend, 1893); Townsend, 1893: 467 (as *Phorocera* ex cutworm).

Euxoa spp. (including *E. messoria* (Harris) and/or *E. ochrogaster* (Guenée))

*Vide pers. comm. Handford, 1970: [B.C.] (Handford, 1962); Anon., 1962: 121, B.C.; Handford, 1962: 19, B.C.

Notodontidae

Datana integerrima Grote and Robinson

Raizenne, 1952: 81, Ont.

Datana ministra (Drury)

Raizenne, 1952: 80, Ont.

Symmerista canicosta Franclemont

Raizenne, 1952: 85, Ont.

Nymphalidae

Anaea andria Scudder

*Brauer and Bergenstamm, 1895: 569, 582 (as *Phorocera*), Williston, 1889); Williston, 1889: 1914, 1921-1922 (as *Phorocera*).

Asterocampa celtis (Boisduval and LeConte)

All records ex *Chlorippe celtis*.

*Brauer and Bergenstamm, 1895: 569, 587 (as *Phorocera*, Williston, 1889); Williston, 1889: 1914, 1921-1922 (as *Phorocera*).

Nymphalis antiopa (Linnaeus)

*Brauer and Bergenstamm, 1895: 569, 609 (as *Phorocera*) ex *Vanessa*, Williston, 1889); Williston, 1889: 1914, 1921-1922 (as *Phorocera* ex *Eu Vanessa*).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Hymenoptera).

IMMATURES: Third instar larva — Finlayson, T., 1963: (descr.); Finlayson, T., 1962: (descr.); Finlayson, T., 1960: (descr., fig. 22); Finlayson, T., 1960a: (descr.).

Pupa — Sippell, 1961: (descr., fig. 4); Williston, 1889: (descr.).

BIOLOGY: Finlayson, T., 1960a: (923, 938).

Euphorocera floridensis Townsend

Most records as *Phorocera floridensis*.

HOST: COLEOPTERA

Cerambycidae

Saperda sp.

Aldrich and Webber, 1924: 61, Ark.

Coccinellidae

Epilachna varivestis Mulsant

Fattig, 1949: 16, Ga. (as *Euphorocera* ex "*Epilachne varivestris*").

HOST: LEPIDOPTERA

Arctiidae

Apantesis oithona Strecker

Allen, 1929: 686, Miss.

Hyphantria cunea (Drury)

Swain, 1937: 245, Colo.

Citheroniidae

- Anisota* sp. near *rubicunda* (Fabricius)
Patton, 1958: 80, Fla.

Ctenuchidae

- Lymire edwardsii* (Grote)
Patton, 1958: 80, Fla.
Syntomeida epilais (Walker)
Patton, 1958: 80, Fla.

Geometridae

- Ennomos subsignarius* (Hübner)
Davis, R., 1961: 248, Ga. (as *Euphorocera*).
Melanchroia cephise (Cramer)
Patton, 1958: 80, Fla.

Hesperiidae

- Epargyreus clarus* (Cramer)
Allen, 1929: 686, Miss. (ex *E. tityrus* (Fabricius)).

Noctuidae

- Alabama argillacea* (Hübner)
Fattig, 1949: 16, Ga. (as *Euphorocera*).
Anticarsia gemmatilis Hübner
All records ex *Anticarsia* "gemmatilis."
Patton, 1958: 80, Fla.; *Aldrich and Webber, 1924: 61, Fla. (Townsend, 1916); Townsend, 1916: 217, Fla. (as *Euphorocera*); Watson, J. R., 1916: 527, fig. 5 on pl. 39 (as *Euphorocera*).
Heliothis zea (Boddie)
Fattig, 1949: 16 (as *Euphorocera* ex *H. armigera* (Hübner)).
Plathypena scabra (Fabricius)
Whiteside, Burbutis and Kelsey, 1967: 327, Del. (as *Euphorocera*); Fattig, 1949: 16, Ga. (as *Euphorocera*); Aldrich and Webber, 1924: 61, N.C.; Sherman, 1920: 298-299, N.C. (as *Euphorocera*).
Pseudaletia unipuncta (Haworth)
Fattig, 1949: 16, Ga. (as *Euphorocera* ex *Cirphis*).
Pseudoplusia includens (Walker)
Allen, 1929: 686, Miss. (ex *Autographa oo* (Cramer)).

Spodoptera frugiperda (J. E. Smith)

All records ex *Laphygma frugiperda*.

Patton, 1958: 80, Fla.; Luginbill, 1928: 81, S.C.; Aldrich and Webber, 1924: 61, Md., S.C.

Notodontidae

Datana integerrima Grote and Robinson

Fattig, 1949: 16, Ga. (as *Euphorocera*).

Datana major Grote and Robinson

Patton, 1958: 80, Fla.

Datana ministra (Drury)

Allen, 1929: 686, Miss.

Ichthyura inclusa Hübner

Most records ex *Melalopha inclusa*.

Fattig, 1949: 16, Ga. (as *Euphorocera* ex *Ichthyura*);

Allen, 1929: 686, Miss.; Allen, 1926b: 194, Miss.

Ichthyura spp. (including *I. apicalis* Walker or *I. inclusa* Hübner)

Allen, 1924: 24, Miss. (ex "*Melanopha*" *apicalis* or "*Melanopha*" *inclusa*).

Sphingidae

Ceratomia catalpae (Boisduval)

Fattig, 1949: 16, Ga. (as *Euphorocera*).

Zygaenidae

Harrisina americana (Guérin-Méneville)

Patton, 1958: 80, Fla. (ex grape leaf skeletonizer).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

IMMATURES: Pupa — Watson, J. R., 1916: (fig. 5 on pl. 39).

BIOLOGY: Patton, 1958: (80).

Euphorocera sp. near *floridensis* Townsend

All records as *Phorocera* sp. near *floridensis*.

HOST: LEPIDOPTERA

Pieridae

Pieris protodice Boisduval and LeConte

Bibby, 1961: 328, Ariz.

Saturniidae

Saturnia galbina (Clemens)

Buck and Keister, 1956: 94-96 (ex *Agapema*).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Buck and Keister, 1956: (94-96).

Euphorocera gelida, see *Spoggosia gelida*

Euphorocera omissa (Reinhard)

HOST: LEPIDOPTERA

Noctuidae

Heliothis spp.

Bottrell, Young, Price and Adams, 1968: 1054, Okla.

Peridroma saucia (Hübner)

Anon., 1969: 59, Okla.

Spodoptera ornithogalli (Guenée)

Bottrell, 1969: 251, Okla. (ex *Prodenia*).

Pieridae

Colias eurytheme Boisduval

Reinhard, 1934b: 195, Ark. (as *Phorocera* ex *Eurymus*).

Pyralidae

Loxostege sticticalis (Linnaeus)

Strickland, 1946: 172, Alta.

STAGE PARASITIZED: Pupa.

Euphorocera subnitens (Aldrich and Webber) probably

HOST: LEPIDOPTERA

Zygaenidae

Gen. and sp. near *Triprocris*

Patton, 1958: 80, Fla. (as *Phorocera* ex larva on cherry laurel).

STAGE PARASITIZED: Larva.

Euphorocera tachinomoides Townsend

HOST: LEPIDOPTERA

Hesperiidae

Lerodea eufala (Edwards)

Butler, 1958: 562, Ariz. (as *Phorocera*).

Lasiocampidae

Malacosoma americanum (Fabricius)

Stehr and Cook, 1968: 257-258, 299, Tex.; Essig, 1926: 582, Ariz., N. Mex., Mexico (as *Phorocera*); Aldrich and Webber, 1924: 56, Ariz. (as *Phorocera*).

Malacosoma californicum (Packard)

Stehr and Cook, 1968: 264, 300, Ariz., N. Mex.

Malacosoma californicum fragile (Stretch)

Stehr and Cook, 1968: 278-279, 301, Calif., Utah.

Malacosoma incurvum discoloratum (Neumoegen)

Stehr and Cook, 1968: 280, 301, Nev., Utah.

Malacosoma incurvum incurvum (H. Edwards)

Stehr and Cook, 1968: 279-280, 301, Ariz.

Malacosoma tigris (Dyar)

Stehr and Cook, 1968: 257, 299, Tex.

Apple tree tent caterpillar(-s)

Knowlton and Harmston, 1937: 149, Utah (as *Phorocera*).

Noctuidae

Heliothis zea (Boddie)

Bottrell, Young, Price and Adams, 1968: 1054, Okla.

Heliothis spp.

Bottrell, Young, Price and Adams, 1968: 1054, Okla.

Melipotis famelica (Guenée)

Wolcott, 1951a: 478, P.R.

Spodoptera ornithogalli (Guenée)

Bottrell, 1969: 251, Okla. (ex *Prodenia*).

Pieridae

Pieris rapae (Linnaeus)

Oatman, 1966: 1138, Calif.

Psychidae

Thyridopteryx meadii H. Edwards

Comstock, 1937: 23, Calif. (as *Phorocera*).

Unidentified Lepidoptera

Green looper(-s)

Butler, 1958: 562, Ariz. (as *Phorocera* ex green looper on acacia).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 94 on pl. 20).

Euphorocera sp. near *tachinomoides* Townsend

HOST: LEPIDOPTERA

Zygaenidae

Harrisina brillians Barnes and McDunnough

Clausen, 1961: 618, Ariz. (as *Phorocera* sp. near “*tachinomiodes*”).

STAGE PARASITIZED: Larva.

Euphorocera sp.

HOST: HYMENOPTERA

Diprionidae

Neodiprion sertifer (Geoffroy)

Raizenne, 1957: 14, Ont. (as *Neophorocera*).

“*Euphorocera*” *claripennis*, see *Euphorocera claripennis*

Eupogona obscura, see *Buquetia obscura*

Eusisyropa Townsend (Goniinae: Carceliini)

Eusisyropa autographae (Sellers)

HOST: LEPIDOPTERA

Noctuidae

Trichoplusia ni (Hübner)

All records ex *Autographa brassicae* Riley.

*Vide Sellers, 1943: 23-24, Cuba (as *Zenillia*, Aldrich and Webber, 1924); Aldrich and Webber, 1924: 40, Cuba (as *Zenillia blanda blanda* (Osten Sacken)).

Eusisyropa blanda (Osten Sacken)

Most records as *Zenillia blanda*.

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Sellers, 1943: 20; Beaulne, 1939: 120, Que. (as “*Zenilla*”); Beaulne, 1939a: 96, Que. (as “*Zenilla*”); Schaffner and Griswold, 1934: 37, 111; Sellers, 1930: 572-573.

Hyphantria textor (Harris)

Raizenne, 1952: 29, Ont. (as *Eusisyropa*); Townsend, 1908: 98, D.C. (as *Eusisyropa*).

Citheroniidae

Anisota rubicunda (Fabricius)

Beaulne, 1939: 120, Que. (as "*Zenilla*"); Beaulne, 1939a: 96, Que. (as "*Zenilla*").

Gelechiidae

Gelechiid webber(-s)

Sellers, 1943: 20 (ex gelechiid webber on willow).

Geometridae

Cingilia catenaria (Cramer)

Sellers, 1943: 20; Schaffner and Griswold, 1934: 98, 111; Aldrich, 1932: 2, N.H.; Sellers, 1930: 572-573; Aldrich and Webber, 1924: 39 (as *Z. blanda blanda*).

Ennomos subsignarius (Hübner)

Ciesla, 1964: 595, Appalachians (as *Eusisyropa*); Davis, R., 1961: 248, Ga. (as *Eusisyropa*); Sellers, 1943: 20; Schaffner and Griswold, 1934: 99-100, 111, Mass.; Knull, 1932: 1202, Pa.; Sellers, 1930: 572.

Hydria undulata (Linnaeus)

Most records ex *Calocalpe undulata*.

Raizenne, 1952: 113, Ont. (as *Eusisyropa*); Sellers, 1943: 20; Schaffner and Griswold, 1934: 91-92, 111; Sellers, 1930: 572 (ex *Hydria*).

Isturgia truncataria (Walker)

Vide Sellers, 1943: 19-20, 22 (Coquillett, 1897); Aldrich and Webber, 1924: 39, Mass.; Coquillett, 1897: 13, 24, Mass. (as *Exorista boarmiae* Coquillett ex *Boarmia pampinaria* Guenée).

Hopping, 1930: 64, B.C. (ex hemlock looper).

Nepytia phantasmaria (Strecker)

Hopping, 1930: 64, B.C.

Hesperiidae

Calpodes ethlius (Stoll)

Allen, 1929: 686, Miss. (as *Z. blanda blanda*).

Epargyreus clarus (Cramer)

Most records ex *Epargyreus tityrus* (Fabricius).

Sellers, 1943: 20 (ex *Proteides*); Schaffner and Griswold, 1934: 15, 111; Sellers, 1930: 572-573.

Erynnis brizo (Boisduval and LeConte)

Most records ex *Thanaos brizo*.

Sellers, 1943: 19-20 (ex *Erynnis*); Sellers, 1930: 574-575; Essig, 1926: 581; Johnson, 1925: 197, Maine, Mass., N.H., R.I. (as *Z. blanda blanda*); Aldrich and Webber, 1924: 39 (as *Z. blanda blanda*); Johnson, 1910: 779, N.J. (as *Eusisyropa* ex *Nisoniades*); *Brauer and Bergenstamm, 1895: 553, 608, N. Amer. (as (*Exorista*), Williston, 1889); Williston, 1889: 1914, 1919 (as *Exorista blanda* var. *proserpina* Williston).

Limaecodidae

Euclea cippus Cramer

Johnson, 1910: 779, N.J. (as *Eusisyropa*).

Euclea delphinii Boisduval

Essig, 1926: 581.

Lymantriidae

Euproctis chrysorrhoea (Linnaeus) probably

Townsend, 1908: 98, Mass. (as *Eusisyropa*).

Nygmia phaeorrhoea (Donovan)

Sellers, 1943: 20; Sellers, 1930: 572; Burgess and Crossman, 1929: 143.

Orgyia antiqua (Linnaeus)

All records ex *Notolophus antiqua*.

Sellers, 1943: 20; Schaffner and Griswold, 1934: 84, 111.

Stilpnotia salicis (Linnaeus)

*Sellers, 1943: 20 (Burgess and Crossman, 1927); Burgess and Crossman, 1927: 14, New England.

Noctuidae

Alabama argillacea (Hübner)

Essig, 1926: 581.

Catocala spp.

Sellers, 1943: 20; Sellers, 1930: 572.

Hypena humuli (Harris)

Essig, 1926: 581; Aldrich and Webber, 1924: 39 (as *Z. blanda blanda*).

Mocis spp. (including *M. latipes* (Guenée) and/or *M. repanda* (Fabricius))

Scaramuzza, 1946: 549, Cuba (ex *M. repanda*).

Phosphila turbulenta Hübner

Sellers, 1943: 20; Schaffner and Griswold, 1934: 52-53, 111 (ex *Trachea*); Sellers, 1930: 572-573 (ex *Hadena*).

Plathytena scabra (Fabricius)

Aldrich and Webber, 1924: 40, N.C. (as *Z. blanda blanda*); Chittenden, 1901b: 50, D.C. (as *Exorista*).

Spodoptera frugiperda (J. E. Smith)

Most records ex *Laphygma frugiperda*.

Scaramuzza and Barry, 1960: 997, Cuba; Scaramuzza, 1951a: 299-300, Cuba; Scaramuzza, 1942: 148, Cuba; Bruner, S. C., 1934: 96, Cuba; Van Dine and Christenson, 1932: 2, Cuba; Scaramuzza, 1929: 122, Cuba (ex *L. [frugiperda]*); Scaramuzza, 1929a: 113, Cuba (ex *L. [frugiperda]*).

Unidentified Catocalinae

Schaffner and Griswold, 1934: 67, 111.

Nymphalidae

Nymphalis antiopa (Linnaeus)

Raizenne, 1952: 4, Ont. (as *Eusisyropa*).

Polygonia interrogationis (Fabricius)

*Sellers, 1943: 20 (Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 9-10, 111.

Vanessa atalanta (Linnaeus)

Sellers, 1943: 20; Schaffner and Griswold, 1934: 12, 111 (ex *Cynthia*); Sellers, 1930: 572-573.

Vanessa cardui (Linnaeus)

Sellers, 1943: 19-20; Sellers, 1930: 575 (ex *Cynthia cardui* "*J. rufipes*"); Essig, 1926: 581; Johnson, 1925: 197, Maine, Mass., N.H., R.I. (as *Z. blanda blanda* ex "*Vanassa*"); Aldrich and Webber, 1924: 39 (as *Z. blanda blanda*); Johnson, 1910: 779, N.J. (as *Eusisyropa* ex *Pyrameis*); *Brauer and Bergenstamm, 1895: 553, 609, N. Amer. (as (*Exorista*), Williston, 1889); Williston, 1889: 1914, 1919 (as *Exorista*); Osten Sacken, 1887: 163 (as *Tachina* ex *Cynthia*).

Oecophoridae

Depressaria pastinacella (Duponchel)

All records ex *Depressaria heracliata* (Linnaeus).

Sellers, 1943: 20; Sellers, 1930: 575, Maine.

Depressaria spp.

All records ex *Depressaria* sp. infesting cow parsnip.

*Procter, 1946: 432, Maine (Procter, 1938); Procter, 1938: 373, Maine; Johnson, 1927: 201, Maine.

Psilocorsis faginella (Chambers)

Embree, 1958: 170, N.S.

Psilocorsis fletcherella Gibson

Raizenne, 1952: 243, Ont. (as *Eusisyropa* ex "*Psilicorsis*").

Olethreutidae

Gretchena bolliana (Slingerland)

Sellers, 1943: 20; Aldrich and Webber, 1924: 40, Fla. (as *Z. blanda blanda* ex *Proteopteryx*).

Psychidae

Thyridopteryx ephemeraeformis (Haworth)

Kulman, 1965a: 864-865, W. Va.; Schaffner, 1959: 46, 54, [N.E. U.S.]; Sellers, 1943: 20; Schaffner and Griswold, 1934: 102-103, 111; Sellers, 1930: 572.

Pyralidae

Acrobasis comptoniella Hulst

Sellers, 1943: 20, N.H.; Essig, 1926: 581; Aldrich and Webber, 1924: 40, N.H. (as *Z. blanda blanda*).

Alatuncusia bergi (Möschler)

Aldrich and Webber, 1924: 40, Fla. (as *Z. blanda blanda* ex "*Dichogamma*").

Dichogama redtenbacheri Lederer

Aldrich and Webber, 1924: 40, Fla. (as *Z. blanda blanda* ex "*Dichogamma*").

Loxostege similalis (Guenée)

Essig, 1926: 581.

Nephopteryx subcaesiella (Clemens)

Schaffner, 1959: 17, 54, [N.E. U.S.] (ex *Salebria*).

Nephopteryx subfuscella (Ragonot)

Schaffner, 1959: 17, 54, [N.E. U.S.] (ex *Salebria semiobscura* Hulst).

Tetralopha robustella Zeller

Schaffner, 1959: 13, 54, [N.E. U.S.].

Sphingidae

Smerinthus jamaicensis (Drury)

All records ex *Smerinthus geminatus* Say.

- *Sellers, 1943: 20 (Schaffner and Griswold, 1934);
Schaffner and Griswold, 1934: 20, 111.

Sphecodina abbottii Swainson

- Sellers, 1943: 20; Schaffner and Griswold, 1934: 24, 111;
Sellers, 1930: 572 (ex *S. "abbottii"*).

Tortricidae

Archips argyrospilus (Walker)

- *Sellers, 1943: 20 (Gill, 1913); Essig, 1926: 581, Colo.;
Aldrich and Webber, 1924: 40, Colo. (as *Z. blanda blanda* ex *Cacoecia*); Gill, 1913: 102, Colo. or N. Mex.
(as *E[xorista]*).

Archips cerasivoranus (Fitch)

- Schaffner, 1959: 30, 54, [N.E. U.S.]; Thompson, 1953: 19;
Thompson, 1953b: 393-400, figs. 2-11, Ont. (as *Eusisyropa*); Sellers, 1943: 20; Daviault, 1939: 184,
[Que.] (ex *Cacoecia*); Sellers, 1930: 572; Aldrich and Webber, 1924: 39 (as *Z. blanda blanda* ex *Cacoecia*);
Baird, 1918: 769, N.B. or probably Alta. (as *Exorista boarmiae*).

Archips fervidanus (Clemens)

- Schaffner, 1959: 29, 54, [N.E. U.S.]; Sellers, 1943: 20;
Sellers, 1930: 572; Aldrich and Webber, 1924: 39 (as *Z. blanda blanda* ex *Cacoecia*).

Argyrotaenia mariana (Fernald)

- Gilliatt, 1937: 145, N.S. (ex *Eulia*).

Unidentified Tortricidae

- *Sellers, 1943: 20 (ex tortricid on poplar, Sellers, 1930);
Sellers, 1943: 20 (ex tortricid on sumac); Sellers, 1930:
572 (ex tortricid on poplar); Sellers, 1930: 572 (ex
tortricid on sumac).

Unidentified Lepidoptera

Miscellaneous

- Sellers, 1943: 20 (ex larva on *Comptonia peregrina*
(Linnaeus) Coulter (*Myrica asplenifolia* Linnaeus));
Aldrich, 1932: 2, Mass. (ex mixed spp. of
Microlepidoptera on *Myrica asplenifolia* Linnaeus); Essig,
1926: 581.

Oakworm(-s)

- Sellers, 1943: 20.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Thompson, 1953b: (descr., fig. 5).

First instar larva — Thompson, 1953b: (descr., fig. 3).

Second instar larva — Thompson, 1953b: (descr., fig. 4).

Third instar larva — Thompson, 1953b: (descr., figs. 2, 6-7, 9-10).

Pupa — Thompson, 1953b: (descr., figs. 8, 11); Sellers, 1930: (fig. 2).

BIOLOGY: Schaffner, 1959: (13, 17, 29-30, 46, 54); Sellers, 1943: (20); Schaffner and Griswold, 1934: (111).

Eusisyropa blanda (Osten Sacken) probably

All records as *Zenillia blanda* probably.

HOST: LEPIDOPTERA

Gelechiidae

Filatima monotaeniella (Bottimer)

*Sellers, 1943: 20 (Bottimer, 1926); Bottimer, 1926: 814, Tex. (ex *Gelechia*).

Noctuidae

Anomis erosa Hübner

*Sellers, 1943: 20 (Bottimer, 1926); Bottimer, 1926: 800, Tex.

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Bottimer, 1926: (814).

Eusisyropa boarmiae (Coquillett)

Most records as *Zenillia boarmiae*.

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Sellers, 1943: 22.

Hyphantria textor (Harris)

Sellers, 1943: 23.

Geometridae

Isturgia truncataria (Walker)

Chittenden, 1907: 26, Mass. (as *Exorista ex Cleora*).

Noctuidae

Alabama argillacea (Hübner)

Most records ex *Aletia argillacea*.

Sellers, 1943: 22 (ex *Alabama*); *vide Aldrich and Webber, 1924: 39, Miss. (as *Z. blanda blanda* (Osten Sacken), Townsend, 1908); Townsend, 1908: 98, Miss. (as *Eusisyropa*).

Hypena humuli (Harris)

Sellers, 1943: 22-23; *Hawley, 1918: 196 (as *Exorista hypenae* Coquillett, Howard, 1897); Howard, 1897: 47, Mass. (as *Exorista hypenae*).

Plathypena scabra (Fabricius)

Sellers, 1943: 22-23; Sherman, 1920: 298-299, N.C. (as *Exorista*).

Pyralidae

Acrobasis caryae Grote

Nickels, Pierce and Pinkney, 1950: 2, 19, Tex.

Acrobasis indigenella (Zeller)

Leiby, 1925: 9, N.C. (as *Exorista* ex *A. nebulella* Riley).

Acrobasis indigenella (Zeller) probably

*Sellers, 1943: 22 (ex *A. juglandis* (LeBaron), Brimley, 1922); Brimley, 1922: 22, N.C. (as *Exorista* ex *A. "nubilella"*).

Dichogama redtenbacheri Lederer

Sellers, 1943: 22-23.

Loxostege similalis (Guenée)

*Vide Sellers, 1943: 22-23 (Aldrich and Webber, 1924); *Aldrich and Webber, 1924: 40, Ark. (as *Z. blanda blanda*, Coquillett, 1897); Coquillett, 1897: 13, 26, Ark. (as *Exorista*).

Tortricidae

Archips fervidanus (Clemens)

Johnson, 1910: 780, N.J. (as *Eusisyropa* ex *Cacoecia*).

Yponomeutidae

Urodus parvulus (H. Edwards)

Patton, 1958: 85, Fla.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 25 on pl. 6).

BIOLOGY: Patton, 1958: (85).

Eusisyropa boarmiae (Coquillett) probably

Most records as *Zenillia boarmiae* probably.

HOST: LEPIDOPTERA

Noctuidae

Plathypena scabra (Fabricius)

All records ex green clover worm.

*Sellers, 1943: 22 (Brimley, 1922); Brimley, 1922: 22,
N.C. (as *Exorista boarmiae*).

Pyralidae

Acrobasis sp.

Sellers, 1943: 22.

STAGE PARASITIZED: Pupa.

Eusisyropa virilis (Aldrich and Webber)

Most records as *Zenillia virilis*.

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Sellers, 1943: 18; Swain, 1937: 245, Colo. (as *Z. blanda virilis*); Schaffner and Griswold, 1934: 37, 113; Sellers, 1930: 572-573.

Danaidae

Danaus plexippus plexippus (Linnaeus)

Sellers, 1943: 17 - 18 (ex *D. plexippus*).

Dioptidae

Phryganidia californica Packard

Harville, 1955: 115, 129, 132-133, Calif.

Geometridae

Anacamptodes ephyraria (Walker)

Sellers, 1943: 18; Schaffner and Griswold, 1934: 95, 113,
Mass.; Sellers, 1930: 573.

Cingilia catenaria (Cramer)

Sellers, 1943: 18; Schaffner and Griswold, 1934: 98, 113;
Sellers, 1930: 572-573.

Ennomos subsignarius (Hübner)

Sellers, 1943: 17-18; Aldrich and Webber, 1924: 40 (as *Z. blanda virilis*).

Melanolophia imitata (Walker)

Evans, 1962: 597, B.C. (as *Eusisyropa*).

Phigalia titea (Cramer)

Sellers, 1943: 18; Schaffner and Griswold, 1934: 97, 113;
Sellers, 1930: 573.

Hesperiidae

Epargyreus clarus (Cramer)

Most records ex *Epargyreus tityrus* (Fabricius).

Sellers, 1943: 18 (ex *Proteides clarus*); Schaffner and
Griswold, 1934: 15, 113; Sellers, 1930: 572-573.

Limaecodidae

Euclea delphinii Boisduval

*Vide Sellers, 1943: 18 (Coquillett, 1897); *Aldrich and
Webber, 1924: 40, Va. (as *Z. blanda blanda* (Osten
Sacken), Coquillett, 1897); Coquillett, 1897: 13, 25, Va.
(as *Exorista blanda* ex *E. cippus* Cramer).

Lymantriidae

Porthetria dispar (Linnaeus)

Sellers, 1943: 17-18; Sellers, 1930: 573; Burgess and
Crossman, 1929: 143 (as *Zenillia blanda*); Howard and
Fiske, 1911: 90 (as *Exorista blanda*).

Noctuidae

Acronicta dactylina (Grote)

Most records ex *Acronycta dactylina*.

Sellers, 1943: 17 (ex *Acronicta*); Schaffner and Griswold,
1934: 58, 113; Sellers, 1930: 573.

Acronicta grisea Walker

Most records ex *Acronycta grisea*.

Sellers, 1943: 17 (ex *Acronicta*); Schaffner and Griswold,
1934: 56, 113, Maine; Sellers, 1930: 573.

Acronicta impressa Walker

Sellers, 1943: 17; Schaffner and Griswold, 1934: 58-59, 113
(ex *Acronycta*).

Acronicta leporina vulpina (Grote)

Sellers, 1943: 17-18; Schaffner and Griswold, 1934: 57, 113
(ex *Acronycta*).

Acronicta obliterata (J. E. Smith)

*Sellers, 1943: 18 (ex *A. "obliterata,"* Schaffner and
Griswold, 1934); Schaffner and Griswold, 1934: 60, 113
(ex *Acronycta*).

Acronicta spp. (including *A. leporina* (Linnaeus) and/or *A. lepusculina* Guenée)

Sellers, 1930: 573 (ex *Acronycta* spp. (including *A. leporina*
and/or *A. chionochroa* Hampson)).

Papaipema harrisii (Grote)

*Arnaud, 1963c: 116, Ill. (as *Eusisyropa*, Aldrich and
Webber, 1924); Sellers, 1943: 17-18; Aldrich and
Webber, 1924: 40, N.Y. (as *Z. blanda virilis*).

Phosphila turbulenta Hübner

Sellers, 1943: 18; Schaffner and Griswold, 1934: 52-53, 113
(ex *Trachea*); Sellers, 1930: 572-573 (ex *Hadena*).

Polia legitima (Grote)

Sellers, 1943: 18; Schaffner and Griswold, 1934: 45, 113;
Sellers, 1930: 573 (ex *Mamestra "legitima"*).

Simyra henrici (Grote)

Sellers, 1943: 17; Sellers, 1930: 573 (ex *Arsilonche*
albovenosa (Goeze)).

Notodontidae

Gluphisia septentrionalis Walker

Sellers, 1943: 18 (ex *G. "septentrionalis"*); Schaffner and
Griswold, 1934: 83-84, 113; Sellers, 1930: 573.

Ichthyura albosigma (Fitch)

Most records ex *Melalopha albosigma*.

Sellers, 1943: 18 (ex *Ichthyura*); Schaffner and Griswold,
1934: 73-74, 113; Sellers, 1930: 573.

Ichthyura strigosa Grote

Most records ex *Melalopha strigosa*.

Sellers, 1943: 18 (ex *Ichthyura*); Schaffner and Griswold,
1934: 73, 113; Sellers, 1930: 573.

Nymphalidae

Polygonia interrogationis (Fabricius)

*Sellers, 1943: 18 (Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 9-10, 113.

Vanessa atalanta (Linnaeus)

Sellers, 1943: 18; Schaffner and Griswold, 1934: 12, 113 (ex *Cynthia*); Sellers, 1930: 572-573.

Pieridae

Eucheira socialis Westwood

Shaw, 1947: 436-437, Mexico.

Psychidae

Thyridopteryx ephemeraeformis (Haworth)

Kulman, 1965a: 864-865, W. Va. (as *Eusisyropa*).

Saturniidae

Callosamia promethea (Drury)

Sellers, 1943: 18; Schaffner and Griswold, 1934: 27, 113; Sellers, 1930: 573.

Platysamia cecropia (Linnaeus)

*Sellers, 1943: 18 (Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 26-27, 113.

Sphingidae

Ceratomia catalpae (Boisduval)

Sellers, 1943: 18; Schaffner and Griswold, 1934: 17, 113, N.J.; Sellers, 1930: 573.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Sellers, 1930: (fig. 1).

BIOLOGY: Evans, 1962: (597); Sellers, 1943: (18); Schaffner and Griswold, 1934: (113).

Euthera Loew (Phasiinae: Eutherini)

Euthera tentatrix Loew

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Euschistus ictericus (Linnaeus)

Sabrosky, 1965: 61, Fla.

Euschistus servus (Say)

*Sabrosky, 1965: 61, Fla., Ohio (Patton, 1958); Patton, 1958: 37, Fla.

Euschistus tristigmus (Say)

Sabrosky, 1965: 61, Ohio; Sabrosky, 1965: 61, Ohio (ex *E. tristigmus* var. *luridus* Dallas).

Euschistus variolarius (Palisot de Beauvois)

Sabrosky, 1965: 61, Ohio; Rings and Brooks, 1958: 15-16, Ohio.

Oebalus pugnax (Fabricius)

Sabrosky, 1965: 61, Fla., La.

Pentatomid spp. (including *Euschistus ictericus* (Linnaeus), *Mormidea pictiventris* Stål, *Nezara viridula* (Linnaeus) and/or *Oebalus pugnax* (Fabricius))

Thames, 1954: 236, Fla. (ex pentatomids, *Solubea pugnax*, *E. ictericus*, *M. pictiventris* and/or "Nezera" *viridula*).

STAGE PARASITIZED: Adult.

Eutheresia Townsend (Proseninae: Theresiini)

Eutheresia canescens, see *Ptilodexia canescens*

Eutheresia monohammi Townsend

HOST: COLEOPTERA

Cerambycidae

Monochamus notatus (Drury)

Soper and Olson, 1963: 89-91, Maine; Townsend, 1912: 117, Ga. (ex "*Monohammus*" *confusor* Kirby).

Monochamus scutellatus (Say)

Soper and Olson, 1963: 89, Maine; Aldrich, 1932: 4, Mass.

Monochamus titillator (Fabricius)

Fattig, 1949: 16-17, Ga.; Savely, 1939: 380, N.C. (as *Theresia*).

Monochamus spp.

Soper and Olson, 1963: 89, Maine.

Lucanidae

Ceruchus piceus (Weber)

Hoffmann, 1937: 281, 283, Minn. (as *Theresia*).

STAGE PARASITIZED: Larva, adult probably.

IMMATURES: Egg — Townsend, 1912: (descr.).

First instar larva — Townsend, 1912: (descr.).

Third instar larva — Hoffmann, 1937: (descr.).

Pupa — Hoffmann, 1937: (descr.).

BIOLOGY: Soper and Olson, 1963: (89-91).

Eutheresia monohammi Townsend probably

HOST: COLEOPTERA

Cerambycidae

Unidentified Cerambycidae

Townsend, 1912: 117 (ex cerambycid in chestnut).

Lucanidae

Ceruchus piceus (Weber)

Aldrich, 1932: 3-4, Mass.

STAGE PARASITIZED: Larva.

Eutheresia nipigonensis (Curran)

HOST: COLEOPTERA

Cerambycidae

Stenocorus inquisitor inquisitor (Linnaeus)

Thomas, J. B., 1955: 340, 343, Ont. (ex *S. inquisitor*).

STAGE PARASITIZED: Larva, pupa.

Eutheresia satisfacta West probably

HOST: COLEOPTERA

Cerambycidae

Stenocorus inquisitor inquisitor (Linnaeus)

Soper and Olson, 1963: 89-90, Maine (ex *Rhagium inquisitor*).

STAGE PARASITIZED: Larva.

Eutheresia trivittata Curran

HOST: COLEOPTERA

Cerambycidae

Monochamus notatus (Drury)

Thomas, J. B., 1955: 340, Ont.

Monochamus scutellatus (Say)

Thomas, J. B., 1955: 340, 343, Ont.

Stenocorus inquisitor inquisitor (Linnaeus)

Thomas, J. B., 1955: 343, Ont. (ex *S. inquisitor*).

Eutritochaeta carpocapsae, see *Nilea carpocapsae*

Eutrixa Coquillett (Proseninae: Aulacephalini)

Eutrixa "exile," see *Eutrixa exilis*

Eutrixa exilis (Coquillett)

Most records as *Eutrixa* "exile."

HOST: COLEOPTERA

Scarabaeidae

Eutheola rugiceps (LeConte)

Fattig, 1949: 17, Ga. (as *E. exilis* ex "*Eutheola*").

Ligyris gibbosus (De Geer)

Fattig, 1949: 17, Ga. (as *E. exilis*).

Phyllophaga anxia (LeConte)

Melvin and Nairn, 1967: 43, Man. (as *E. exilis*); Melvin and Nairn, 1967a: 27, Man. (as *E. exilis*).

Phyllophaga drakii (Kirby)

Melvin and Nairn, 1967: 43, Man. (as *E. exilis*); Melvin and Nairn, 1967a: 27, Man. (as *E. exilis*).

Phyllophaga fervida (Fabricius)

All records ex *Lachnosterna arcuata* Smith.

Shannon, 1914: 182; Chittenden, 1899: 79, D.C. (as *E. masuria* (Walker)); Chittenden, 1898a: 76, D.C. (as *E. masuria*); Coquillett, 1897: 12, 23, D.C. (as *E. masuria*).

Phyllophaga nitida (LeConte)

Melvin and Nairn, 1967: 43, Man. (as *E. exilis*); Melvin and Nairn, 1967a: 27, Man. (as *E. exilis*).

Phyllophaga rubiginosa (LeConte)

Hayes, 1920: 317, Kans. (as "*Eutrixia*" ex *Lachnosterna*).

Phyllophaga spp.

Most records ex *Lachnosterna* spp.

Davis, J. J., 1918: 14; Smyth, 1917: 59 (ex *Phyllophaga*); Davis, J. J., 1916: 271, N.E. U.S.; Walton, 1913: 198, N. Amer.

June beetle(-s)

Hammond, 1942: 147, Ont. (as *Eutrixa* sp.); Hammond, 1941a: 187, Ont.

May beetle(-s)

*Procter, 1946: 431, Maine (Procter, 1938); Procter, 1938: 372, Maine; Johnson, 1927: 199, Maine; Johnson, 1925: 191, Conn., Maine, Mass., N.H.

STAGE PARASITIZED: Adult.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 51 on pl. 11).

BIOLOGY: Melvin and Nairn, 1967: (43); Melvin and Nairn, 1967a: (27); Hammond, 1941a: (187).

Eutrixa masuria, see *Eutrixa exilis*

Eutrixa sp., see *Eutrixa exilis*

"*Eutrixia exile*," see *Eutrixa exilis*

Eutrixoides Walton (Proseninae: Dexillini)

Eutrixoides jonesii Walton

HOST: COLEOPTERA

Scarabaeidae

Chemarachis vandinei (Smyth)

Most records ex *Phyllophaga vandinei*.

Martorell, 1945a: 432, P.R.; Wolcott, 1924: 221, P.R. (ex *Lachnosterna*); Smyth, 1917: 82, 86-87, P.R.

Phyllophaga portoricensis Smyth

Wolcott, 1924: 221, P.R. (ex *Lachnosterna*); Smyth, 1917: 86, P.R.

Phyllophaga spp.

Most records ex *Lachnosterna* spp.

Wolcott, 1935: 449, P.R.; Wolcott, 1924a: 27, P.R.;
Wolcott, 1922: 15-16, P.R.; Smyth, 1917a: 151, P.R.
(ex *Phyllophaga*); Van Zwaluwenburg, 1917: 517, P.R.
(ex *Phyllophaga*); Van Dine, 1913a: 37, P.R.; Van
Dine, 1913b: 200, P.R.; Walton, 1913d: 49, 51, P.R.

Scarabaeid spp. (including *Phyllophaga* spp. or *Phytalis* spp.)

Smyth, 1917: 55-56, P.R. (ex white grubs).

STAGE PARASITIZED: Adult.

BIOLOGY: Wolcott, 1935: (449); Smyth, 1917: (82, 86-87).

Euzenillia variabilis, see *Lixophaga variabilis*

Euzenilliopsis "diatraeae," see *Lixophaga diatraeae*

Euzenilliopsis diatraeae, see *Lixophaga diatraeae*

Euzenilliopsis diatraeae probably, see *Lixophaga diatraeae* probably

Exorista Meigen (Goniinae: Exoristini)

Exorista "achracea," see *Chrysoexorista ochracea*

Exorista affinis, see *Hubneria estigmenensis*

Exorista amplexa, see *Carcelia amplexa*

Exorista arvicola, see *Nemorilla pyste*

Exorista blanda, see *Anaporia pristis*, *Eusisyropa blanda* or
Eusisyropa virilis

Exorista boarmiae, see *Eusisyropa blanda* or *Eusisyropa boarmiae*

Exorista caesar, see *Aplomya caesar*

Exorista cecropia, see *Winthemia cecropia*

Exorista "cecropiae," see *Winthemia cecropia*

Exorista ceratomiae, see *Hyphantrophaga hyphantriae*

Exorista "chelonia," see *Carcelia laxifrons*

- Exorista cheloniae*, see *Carcelia laxifrons*, *Carcelia malacosomae*
 probably or *Carcelia reclinata* probably
Exorista chrysophani, see *Aplomya theclarum*
Exorista ciliata, see *Winthemia rufopicta*
Exorista confinis, see *Aplomya theclarum*
Exorista datanae, see *Winthemia datanae*
Exorista eudryae, see *Carcelia formosa*, *Carcelia reclinata* probably,
Sisyropa alypiae probably or *Sisyropa eudryae*
Exorista fasciata fasciata (Fallén)
 HOST: LEPIDOPTERA

Lymantriidae

- Byrdia groenlandica* Wocke
 Henriksen and Lundbeck, 1917: 622, E. Greenland (as
Tachina fasciata ex *Dasychira*).
 STAGE PARASITIZED: Larva.
Exorista fernaldi, see *Exorista mella*
Exorista flavicauda, see *Triachora unifasciata*
Exorista flavirostris, see *Carcelia lagoae*
Exorista futilis, see *Euexorista futilis*
Exorista griseomicans, see *Carcelia amplexa*
Exorista helvina, see *Aplomya helvina*
Exorista hirsuta, see *Phryxe vulgaris*
Exorista hypenae, see *Eusisyropa boarmiae*
Exorista infesta, see *Winthemia infesta*
Exorista isae, see *Anaporia pristis*
Exorista lagoae, see *Carcelia lagoae*
Exorista larvarum, see *Exorista mella* or *Exorista* spp.
Exorista larvarum probably, see *Exorista mella* probably
Exorista leucanae, see *Winthemia leucanae*
Exorista leucanae lacking red at tip, see *Winthemia leucanae* lacking
 red at tip
Exorista "leucania," see *Winthemia leucanae*
Exorista "leucania" probably, see *Winthemia leucanae* probably
Exorista "leucaniae," see *Winthemia leucanae*
Exorista "leucaniae" lacking red at tip, see *Winthemia leucanae*
 lacking red at tip
Exorista "leucaniae var. cecropiae," see *Winthemia cecropia*
"Exorista" lobeliae Coquillett
 Most records as *Zenillia lobeliae*.
 HOST: LEPIDOPTERA

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Coquillett, 1897: 14, 26, D.C. (as *Exorista* ex *Orgyia*).

Noctuidae

Acronicta sp. near *afflicta* Grote

Patton, 1958: 85, Fla.

Acronicta grisea Walker

Schaffner and Griswold, 1934: 56, 112, Maine (ex *Acronycta*).

Acronicta hamamelis Guenée

All records ex *Acronycta hamamelis*.

Aldrich and Webber, 1924: 20, Va.; Coquillett, 1897: 14, 23, Va. (as *Exorista*).

Acronicta lobeliae Guenée

All records ex *Acronycta lobeliae*.

Aldrich and Webber, 1924: 20; Bischoff, 1909: 76 (as *Exorista*); Coquillett, 1897: 14, 23 (as *Exorista*).

Acronicta spp.

All records ex *Acronycta* sp.

Aldrich and Webber, 1924: 20, Va.; Aldrich and Webber, 1924: 20, Md. (ex *Acronycta* sp. on oak); Coquillett, 1897: 14, 23, Md. (as *Exorista*).

Alabama argillacea (Hübner)

Aldrich and Webber, 1924: 20, Tex.; Reinhard, 1922: 72, Tex. (as *Exorista*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 18 on pl. 4).

BIOLOGY: Patton, 1958: (85); Schaffner and Griswold, 1934: (56, 112); Bischoff, 1909: (76).

"*Exorista*" sp. near *lobeliae* Coquillett

HOST: LEPIDOPTERA

Noctuidae

Acronicta betulae Riley

Schaffner and Griswold, 1934: 58, 115, N.J. (as *Phorocera* near *Zenillia* ex *Acronycta*).

BIOLOGY: Schaffner and Griswold, 1934: (58, 115).

Exorista loxostegeae, see *Pseudoperichaeta erecta*

Exorista "melba," see *Exorista mella*

Exorista mella (Walker)

HOST: HYMENOPTERA

Tenthredinidae

Macremphytus varianus (Norton)Greene, 1921: 41, Md. (as *Tachina*).

HOST: LEPIDOPTERA

Arctiidae

Apantesis nevadensis superba (Stretch)Essig, 1926: 583, Colo. (as *Tachina larvarum* (Linnaeus) ex *A. blakei superba*).*Apantesis oithona* StreckerAllen, 1929: 689, Miss. (as *E. larvarum*); Reinhard, 1922: 73, Tex. (as *Tachina* ex *A. rectilinea* French).*Apantesis phyllira* (Drury)Patton, 1958: 38, Fla.; Coquillett, 1897: 21, 24, Fla. (as *Tachina* ex *Arctia*).*Cycnia tenera* Hübner

Schaffner and Griswold, 1934: 32, 120.

Diacrisia virginica (Fabricius)

Schaffner and Griswold, 1934: 36, 120.

Estigmene acraea (Drury)

Bryan, D. E., Jackson and Stoner, 1969: 1, 7, Ariz. (lab.);
 Butler, Bryan and Jackson, 1968: 161-162, Ariz. (lab.);
 Bosch, and Hagen, 1966: 25, Calif. (as *E. larvarum*);
 Bibby, 1961: 327, Ariz. (as *E. larvarum* ex salt marsh caterpillar); Patton, 1958: 38, Fla.; Stevenson, W. A., Kaufman and Sheets, 1957: 280, Ariz. (as *E. larvarum*); Taylor, E. A., 1954: 526-529, Ariz. (as *E. larvarum*); Schaffner and Griswold, 1934: 38, 120; Allen, 1929: 689, Miss. (as *E. larvarum* ex "*Estigeme*" *acraea*); Essig, 1926: 583, Calif. (as *Tachina larvarum* ex *E. acraea*); Reinhard, 1922: 73, Tex. (as *Tachina* ex *E. acraea*); Johnson, 1910: 781, N.J. (as *Tachina* ex *Leucarctia acraea*); Coquillett, 1897: 21, 26, Kans. (as *Tachina* ex *Leucarctia acraea*).

Euchaetias egle (Drury)

Schaffner and Griswold, 1934: 39, 120.

Halisidota harrisii Walsh

Schaffner and Griswold, 1934: 34-35, 120.

Halisidota tessellaris (J. E. Smith)

Schaffner and Griswold, 1934: 34, 120.

Hyphantria textor (Harris)

Raizenne, 1952: 29, Ont.

Isia isabella (J. E. Smith)

Schaffner and Griswold, 1934: 36-37, 120; Essig, 1926: 583, Calif. (as *Tachina larvarum*); Johnson, 1910: 781, N.J. (as *Tachina ex Pyrrharctia*); Coquillett, 1897: 21, 27, Ont. (as *Tachina ex Pyrrharctia*).

Bombycidae

Unidentified Bombycidae

Howard, 1897b: 42-43, D.C. (as *Tachina*).

Danaidae

Danaus plexippus plexippus (Linnaeus)

Essig, 1926: 583, Colo. (as *Tachina larvarum* ex *D. menippe* (Hübner)); Townsend, 1895: 73, Colo. (as *Tachina clisiocampae* Townsend ex "*Danais*" *archippus* (Fabricius)).

Lasiocampidae

Epicnaptera americana (Harris)

Raizenne, 1952: 104, Ont.; Schaffner and Griswold, 1934: 89, 120.

Malacosoma americanum (Fabricius)

Stehr and Cook, 1968: 258, 299, Tex., Wis.; Fattig, 1949: 17, Ga. (as *E. larvarum*); Bess, 1936: 605 (as "*Exoristia*"); Schaffner and Griswold, 1934: 88, 120; West, 1928: 817, N.Y. (as *E. larvarum*).

Malacosoma californicum (Packard)

Stehr and Cook, 1968: 263, 265, 267-268, 270, 300, Colo., Idaho, Oreg., Wash., Wyo.; Essig, 1926: 583, Calif., Colo. (as *Tachina larvarum*); Townsend, 1895: 73, Colo. (as *Tachina clisiocampae* ex *Clisiocampa*, questionable host).

Malacosoma californicum californicum (Packard)

Coquillett, 1897: 21, 24, Calif. (as *Tachina* ex *Clisiocampa thoracica* Stretch).

Malacosoma californicum fragile (Stretch)

Essig, 1926: 583, Colo. (as *Tachina larvarum* ex *M. fragilis*).

Malacosoma californicum lutescens (Neumoegen and Dyar)

Stehr and Cook, 1968: 275, 301, Alta.

Malacosoma californicum pluviale (Dyar)

Stehr and Cook, 1968: 274-275, 300, Alta., B.C., Mont.

Malacosoma constrictum (H. Edwards)

Essig, 1926: 583, Calif. (as *Tachina larvarum*).

Malacosoma disstria Hübner

Sippell, 1961: 434, 436, fig. 3, Ont.; Raizenne, 1952: 103, Ont.; Strickland, 1938: 218, Alta. (ex forest tent caterpillar); Bess, 1936: 605 (as "*Exoristia*"); Knowlton, 1936: 242, Utah (as *E. larvarum* ex forest tent caterpillar); Schaffner and Griswold, 1934: 89, 120; Essig, 1926: 583, Calif. (as *Tachina larvarum*); Lochhead, 1919: 204 (as *Tachina*); Essig, 1915: 331, 412, Calif. (as *Tachina*); Essig, 1913: 259, Calif. (as *Tachina*); Felt, 1905: 436, N.Y. (as *Tachina*); Felt, 1902: 861-862, N.Y. (as *Tachina ex Clisiocampa*); Felt, 1910: 997, N.Y. (as *Tachina ex Clisiocampa*); *Brauer and Bergenstamm, 1895: 575, 588 (as (*Tachina*) *clisiocampae* ex *Clisiocampa sylvatica* (Harris), Townsend, 1891a); Townsend, 1891a: 84, Maine (as *Tachina clisiocampae* ex *Clisiocampa sylvatica*).

Malacosoma incurvum incurvum (H. Edwards)

Stehr and Cook, 1968: 279, 301, Ariz.

Malacosoma spp.

Ross, 1953: 19, 22, fig. 6, B.C.; Essig, 1915: 331, Calif. (as *Tachina*); Essig, 1913: 259, Calif. (as *Tachina*); Fletcher, 1905: 78, Alta. (as *Tachina ex Clisiocampa*); Coquillett, 1897: 21, 24, Calif., Colo., Wyo. (as *Tachina ex Clisiocampa*).

Tolyte laricis (Fitch)

Raizenne, 1952: 100, Ont.

Tolyte velleda (Stoll)

Raizenne, 1952: 99, Que.

Apple tree tent caterpillar(-s)

Brimley, 1922: 26, N.C. (as *Tachina*).

Tent caterpillar(-s)

Brimley, 1938: 365, N.C. (as *E. larvarum*); Hitchings, 1908: 11, Maine (as *Tachina*).

Lymantriidae

Dasychira basiflava (Packard)

Schaffner and Griswold, 1934: 86, 120 (ex *Olene*).

Dasychira vagans (Barnes and McDunnough)

Brittain and Payne, 1919: 68, N.S. (as *Tachina ex Olene*).

Euproctis chrysorrhoea (Linnaeus)

Howard and Fiske, 1911: 93, 227 (as *Tachina*).

Hemerocampa leucostigma (J. E. Smith)

Raizenne, 1952: 95, Ont.; Dowden, 1935: 509 (as *Tachina*); Schaffner and Griswold, 1934: 85, 120; Essig, 1926: 583, Calif. (as *Tachina larvarum* ex *H. osleri* (Barnes)); Lochhead, 1919: 203 (as *Tachina*); Payne, 1918: 67, [N.S.] (as *Tachina*); Britton, 1917: 110 (as *Tachina*); Britton, 1917: 110 (as *Tachina clisiocampae*); Johnson, 1910: 781, N.J. (as *Tachina* ex *Orgyia*); Schoene, 1909: 47, N.Y. (as *Tachina clisiocampae* ex "*Hemerocampe*"); Felt, 1905: 436, N.Y. (as *Tachina* ex *Notolophus*); Titus and Pratt, 1904: 28 (as *Tachina*); Felt, 1902: 864, N.Y. (as *Tachina* ex *Notolophus*); Howard, 1898: 88, D.C. (as *Tachina* ex *Orgyia*); Coquillett, 1897: 21, 26, D.C. (as *Tachina* ex *Orgyia*); Howard, 1897a: 16-17, D.C. (as *Tachina* ex *Orgyia*); Howard, 1897b: 7, 42-43, 49, D.C. (as *Tachina* ex *Orgyia*); *Brauer and Bergenstamm, 1895: 576, 601 (as (*Tachina*) *orgyiae* Townsend ex *Orgyia*, Townsend, 1892a); Hopkins, A.D., 1893a: 238, W. Va. (as *Tachina* "*orgyia*" ex *Orgyia* "*leugcostigma*"); Townsend, 1892a: 284-285, W. Va. (as *Tachina orgyiae* ex *Orgyia*); LeBaron, 1871: 16, Ill. (as *Tachina orgyiae* LeBaron ex *Orgyia*).

Hemerocampa pseudotsugata McDunnough

Davis and Knowlton, 1963: 1399, Utah.

Hemerocampa vetusta (Boisduval)

Essig, 1926: 583, Calif. (as *Tachina larvarum*); Essig, 1915: 331, 410, Calif. (as *Tachina*); Essig, 1913: 180, 259, Calif. (as *Tachina*).

Nygmia phaeorrhoea (Donovan)

Proper, 1934: 374, New England (as *Tachina* ex brown-tail moth); Burgess and Crossman, 1929: 143 (as *Tachina*).

Orgyia antiqua (Linnaeus)

All records ex *Notolophus antiqua*.

Raizenne, 1952: 93, Ont.; Schaffner and Griswold, 1934: 84, 120; Tothill, 1913: 74, N.S. (as *Tachina*).

Porthetria dispar (Linnaeus)

Burgess and Crossman, 1929: 143 (as *Tachina*); Burgess, 1924: 35, Mass. (as *Tachina*); Britton, 1915: 17, Conn. (as *Tachina*); Britton, 1911: 680, Conn. (as *Tachina* ex gypsy moth); Howard and Fiske, 1911: 90, 225, 227 (as *Tachina*); Howard and Fiske, 1911: 90 (as *E. fernaldi* (Williston)).

Stilpnobia salicis (Linnaeus)

Lejeune and Silver, 1961: 459-460, 462, 466, B.C.; Reeks and Smith, 1956: 569, maritime prov.; Beaulne, 1949: 206, Que.; vide Burgess and Crossman, 1927: 14-15, New England (as *Tachina*, Glendenning, 1924); Glendenning, 1924: 13, B.C. (as *Tachina*).

Tussock moth(-s)

Howard and Fiske, 1911: 223, Mass. (as *Tachina*); Thompson, 1910: 291 (as *Tachina*, incomplete rearing — pupa).

Noctuidae

Acronicta americana (Harris)

Schaffner and Griswold, 1934: 57-58, 120 (ex *Acronycta*).

Acronicta lepusculina Guenée

Coquillett, 1897: 21, 23 (as *Tachina* ex *Acronycta populi* Riley).

Acronicta rubricoma Guenée

Schaffner and Griswold, 1934: 59, 120, N.J. (ex *Acronycta*).

Acronicta sp.

Schaffner and Griswold, 1934: 60, 120 (ex *Acronycta*).

Pseudaletia unipuncta (Haworth)

Guppy, J. C., 1967: 97, 99, 102, Ont. (as *E. larvarum*); Pond, 1960: 655, N.B. (as *E. "melba"*).

Pyreferra hesperidago (Guenée)

Schaffner and Griswold, 1934: 51, 120 (ex *Conistra indirecta* Walker).

Simyra henrici (Grote)

Schaffner and Griswold, 1934: 61, 120; Cole, 1931: 9, 38, Idaho (as *E. larvarum* ex *Arsilonche albovenosa* (Goeze)).

Notodontidae

Datana integerrima Grote and Robinson

Schaffner and Griswold, 1934: 76, 120.

Datana ministra (Drury)

Schaffner and Griswold, 1934: 74, 120; Essig, 1926: 583, B.C. (as *Tachina larvarum*); Tothill, 1913: 74, B.C. (as *Tachina*).

Ichthyura inclusa Hübner

Schaffner and Griswold, 1934: 73, 120 (ex *Melalopha*).

Schizura concinna (J. E. Smith)

Schaffner and Griswold, 1934: 81, 120.

Nymphalidae

Nymphalis antiopa (Linnaeus)

Schaffner and Griswold, 1934: 11, 120 (ex *Hamadryas*).

Polygonia interrogationis (Fabricius)

Schaffner and Griswold, 1934: 9-10, 120.

Saturniidae

Callosamia promethea (Drury)

Schaffner and Griswold, 1934: 27, 120.

Hemileuca oliviae Cockerell

Wildermuth and Frankenfeld, 1933: 797, [N. Mex.] (as *Tachina*); Essig, 1926: 583, N. Mex. (as *Tachina larvarum*); Wildermuth and Caffrey, 1916: 8, N. Mex. (as *Tachina*); *Packard, 1914: 269 (as *Tachina*, Ainslie, 1910); Ainslie, 1910: 88-91, N. Mex. (as *Tachina*).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

IMMATURES: Third instar larva — LeBaron, 1871: (descr.).

Pupa - Sippell, 1961: (descr., fig. 3); Ross, 1953: (descr., fig. 6); Greene, 1922: (descr., fig. 72 on pl. 16); LeBaron, 1871: (descr.).

BIOLOGY: Bryan, D. E., Jackson and Stoner, 1969: (1, 7); Butler, Bryan and Jackson, 1968: (161-162); Lejeune and Silver, 1961: (459-460, 462, 466); Patton, 1958: (38); Taylor, E. A., 1954: (526-529); Dowden, 1935: (509); Schaffner and Griswold, 1934: (120); Burgess, 1924: (35); Glendenning, 1924: (13); Britton, 1915: (17); Britton, 1911: (680); Ainslie, 1910: (88-91); Thompson, 1910: (291).

Exorista mella (Walker) probably

HOST: LEPIDOPTERA

Arctiidae

Estigmene acrea (Drury)

Carrillo S., Ortega C., and Gibson, 1966: 94, Mexico (Son.)
(as *E. larvarum* (Linnaeus) probably ex *E. acrea*).

Exorista militaris, see *Winthemia militaris*

Exorista nigripalpis, see *Aplomya caesar* or *Aplomya confusionis*

Exorista ochracea, see *Chrysoexorista ochracea*

Exorista ostensackenii, see *Winthemia ostensackenii*

Exorista petiolata, see *Diplostichus lophyri*

- Exorista phycitae*, see *Nemorilla pyste*
Exorista "piste," see *Nemorilla pyste*
Exorista platysamiae, see *Winthemia cecropia*
Exorista pyste, see *Nemorilla pyste*
Exorista sp. near *pyste*, see *Nemorilla* sp. near *pyste*
Exorista scudderi, see *Nemorilla pyste*
Exorista simulans, see *Guerinia dydas*
Exorista theclarum, see *Aplomya theclarum*
Exorista trivittata probably, see "*Nemorilla trivittata*" probably
Exorista vulgaris, see *Phryxe vulgaris*
Exorista spp.

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Aldrich, 1932: 3, Mass. (as *E. larvarum* (Linnaeus)).

Estigmene acrea (Drury)

Anon., 1954h: 47, Ariz.

Euchaetias egle (Drury)

Webber and Schaffner, 1926: 20, New England (as *Tachina mella* Walker).

Danaidae

Danaus plexippus plexippus (Linnaeus)

Urquhart, 1960: 207, Ont. (ex *D. plexippus*).

Geometridae

Biston cognataria (Guenée)

Aldrich, 1932: 1, Mass. (as *E. larvarum* ex *Amphidasis*, incomplete rearing — pupa).

Lasiocampidae

Malacosoma disstria Hübner

Johnson, 1925: 204, Conn., Maine, Mass., N.H., R.I., Vt. (as *E. larvarum* ex forest tent caterpillar); Tothill, 1923: 180, Canada; Tothill, 1919: 12, N.B.

Lymantriidae

Dasychira basiflava (Packard)

Felt and Bromley, 1941: 384, Conn. (as *E. larvarum* ex *Olene*).

Euproctis chrysorrhoea (Linnaeus)

Howard and Fiske, 1911: 225, 309, pl. 20 (as *Tachina larvarum*).

Hemerocampa leucostigma (J. E. Smith)

Most records ex *Orgyia leucostigma*.

Webber and Schaffner, 1926: 12-13, 20, Mass., New England, N.Y., Pa., R.I. (as *Tachina mella* ex *Hemerocampa*); Howard, 1898: 88, D.C.; Howard, 1897a: 17, D.C.

Nygmia phaeorrhoea (Donovan)

Dowden, 1962: 27, 29, 58, New England (as *E. larvarum*); Clausen, 1956: 6, 105-106, N.H. (as *E. larvarum*).

Porthetria dispar (Linnaeus)

Dowden, 1962: 30, 32, 35, 58, New England (as *E. larvarum*); Dowden, 1961: 875, Mass. (as *E. larvarum*); Clausen, 1956: 6-7, 63, 105-106, Conn., Mass. (as *E. larvarum*); Brown and Sheals, 1944: 400 (as *E. larvarum*); Britton, 1935: 636, Conn. (as *E. larvarum*); Johnson, 1925: 204, Conn., Maine, Mass., N.H., R.I., Vt. (as *E. larvarum* ex "gipsy" moth); Howard and Fiske, 1911: 225-227, 308, pl. 20 (as *Tachina larvarum*).

Tussock moth(-s)

Johnson, 1925: 204, Conn., Maine, Mass., N.H., R.I., Vt. (as *E. larvarum*).

Noctuidae

Acronicta americana (Harris)

Webber and Schaffner, 1926: 20-21, New England (as *Tachina mella* ex *Apatela*).

Acronicta lepusculina Guenée

Brauer and Bergenstamm, 1895: 579-580 (as *Tricholyga* ex *Acronycta populi* Riley).

Papaipema cataphracta (Grote)

Washburn, 1910a: 94, Minn.

Papaipema nebris (Guenée)

All records ex *Papaipema nitela* (Guenée).

Franklin, 1910: 94, Minn.; Washburn, 1910: 168; Washburn, 1910a: 94, Minn.

Notodontidae

Cerura spp.Aldrich, 1932: 3, Mass. (as *E. larvarum*).

Olethreutidae and/or Pyralidae

Olethreutid and/or pyralid spp. (including *Laspeyresia* spp.
and/or *Dioryctria* spp. probably)

Keen, 1958: 70.

Pyralidae

Acrobasis indigenella (Zeller)Gill, 1917a: 21 (ex *A. nebulella* Riley).*Desmia funeralis* (Hübner)

Lochhead, 1919: 209.

Tortricidae

Archips fervidanus (Clemens)Schaffner, 1959: 29, 50, N.E. U.S. (as *E. larvarum*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 88 on pl. 19);

Howard and Fiske, 1911: (pl. 20).

BIOLOGY: Schaffner, 1959: (29, 50); Clausen, 1956: (6-7, 63,
105-106); Britton, 1935: (636).**Exorista** spp. probablyMost records as *Tricholyga* sp. probably.

HOST: LEPIDOPTERA

Notodontidae

Datana contracta Walker

Brauer and Bergenstamm, 1895: 579, 590.

Datana ministra (Drury)

Brauer and Bergenstamm, 1895: 579, 590.

Unidentified Lepidoptera

Miscellaneous

Townsend, 1893c: 315, Jamaica (as *Exorista* ex moth allied
to "*Euchaetes*," but with an *Orgyia*-like larva).

STAGE PARASITIZED: Larva, pupa.

"Exoriste" pyste, see *Nemorilla pyste*

"Exoristia" mella, see *Exorista mella*

Exoristoides Coquillett (Tachininae: Germariini)

Exoristoides harrisi Reinhard

HOST: GEOPHILOMORPHA (CHILOPODA)

Geophilidae

Geophilus sp. probably

Reinhard, 1935: 161, Iowa.

Exoristoides johnsoni Coquillett

HOST: ORTHOPTERA

Gryllidae

Gryllus pennsylvanicus Burmeister

Aldrich, 1932a: 24, S. Dak. (ex *G. abbreviatus* Serville).

Gryllus spp.

All records ex *Gryllus assimilis* (Fabricius).

Aldrich, 1932a: 24, Calif.; Severin, 1926: 224, S. Dak.

STAGE PARASITIZED: Nymph, adult.

Exoristoides slossonae, see *Helioplagia slossonae*

Exoristoides sp.

HOST: ORTHOPTERA

Gryllidae

Anurogryllus muticus (De Geer)

Weaver and Sommers, 1969: 342, La.

Fabricia? *algens*, see *Nowickia algens*

Fabriciella hispida, see *Nowickia hispida*

Fabriciella latifrons, see *Nowickia latifrons*

Feather-legged fly, see *Trichopoda* spp.

"Fortina" sp., see *Lespesia* spp.

"Frontia" frenchii, see *Lespesia frenchii*

Frontina aletiae, see *Lespesia aletiae*

Frontina "aletinae," see *Lespesia aletiae*

Frontina ancilla, see *Pseudomyothyria ancilla*

Frontina "archippiva," see *Lespesia archippivora*

Frontina archippivora, see *Lespesia archippivora*

Frontina armigera, see *Eucelatoria armigera*

Frontina frenchii, see *Lespesia frenchii*

Frontina irrequieta, see *Tachinomyia panaetius*

Frontina malacosomae, see *Lespesia frenchii*

Frontina rileyi, see *Lespesia rileyi*

Frontina tenthredinidarum, see *Bessa harveyi*

Frontina violenta, see *Lespesia testacea*

Frontina sp., see *Lespesia* spp.

Frontiniella Townsend (Goniinae: Eryciini)

Frontiniella parancilla Townsend

HOST: LEPIDOPTERA

Gelechiidae

Gnorimoschema sp.

Schaffner, 1959: 37, 51, Mass.

Pyralidae

Tetralopha scortealis (Lederer)

Patton, 1958: 38, Fla.; Poos and Hetrick, 1945: 315, Va.

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Schaffner, 1959: (37, 51); Patton, 1958: (38).

Genea Rondani (Dexiinae: Leskiini)

Genea aurea James

HOST: LEPIDOPTERA

Pyralidae

Tetralopha subcanalis (Walker)

James, M. T., 1947: 113, Fla.

Genea texensis, see *Dejeaniopalpus texensis*

Gilvella Mesnil (Goniinae: Hyperecteinini)

Gilvella gilvipes (Coquillett)

HOST: ORTHOPTERA

Gryllidae

Cricket(-s)

Aldrich, 1928: 301, Kans. (as *Oedematocera*).

Ginglymia Townsend (Goniinae: Siphonini)

Ginglymia acirostris Townsend

All records as *Ginglymyia acirostris*.

HOST: LEPIDOPTERA

Pyralidae

Parargyractis fulicalis (Clemens)

All records ex *Elophila fulicalis*.

Boardman, 1939: 160-161; Johannsen, 1935: 37-38, figs. 73-74, N.Y.; Lloyd, J. T., 1920: 263-265, figs. 3-4 on pl. 25, N.Y.

STAGE PARASITIZED: Larva.

IMMATURES: Third instar larva — Lloyd, J. T., 1920: (fig. 4 on pl. 25).

Pupa — Boardman, 1939: (descr.); Johannsen, 1935: (descr., figs. 73-74); Lloyd, J. T., 1920: (descr., fig. 3 on pl. 25).

BIOLOGY: Boardman, 1939: (160-161); Johannsen, 1935: (37-38); Lloyd, J. T., 1920: (263-265).

Ginglymyia acirostris, see *Ginglymyia acirostris*

Goliathocera setigera, see *Elfia setigera*

Gonia Meigen (Goniinae: Goniini)

Gonia aldrichi Tothill

HOST: LEPIDOPTERA

Noctuidae

Agrotis orthogonia Morrison

Strickland, 1938: 217, Alta. (ex pale western cutworm).

Crymodes devastator (Brace)

*Vide Crumb, 1929: 40, 103 (ex *Sidemia*, Coquillett, 1897); Coquillett, 1897: 17, 25, Iowa (as *G. capitata* (De Geer) ex *Hadena devastatrix*).

Euxoa ochrogaster (Guenée)

Strickland, 1938: 217, Alta. (ex redbacked cutworm); King, K.M., and Atkinson, 1928: 170-173, Sask.

STAGE PARASITIZED: Larva.

Gonia aldrichi Tothill probably

HOST: LEPIDOPTERA

Noctuidae

Euxoa spp. (including *E. messoria* (Harris) and/or *E. ochrogaster* (Guenée))

*Vide pers. comm. Handford, 1970: [B.C.] (Handford, 1962); Anon., 1962: 121, B.C.; Handford, 1962: 19, B.C.

STAGE PARASITIZED: Larva.

Gonia sp. near *aldrichi* Tothill

HOST: LEPIDOPTERA

Noctuidae

Agrotis orthogonia Morrison

Thornley and Sorenson, 1940: 48, Utah.

STAGE PARASITIZED: Larva.

BIOLOGY: Thornley and Sorenson, 1940: (48).

Gonia angusta, see *Gonia crassicornis*

Gonia breviforceps Tothill

HOST: LEPIDOPTERA

Noctuidae

Euxoa ochrogaster (Guenée)

Morrison, 1940: 348, Alta., Sask.

Gonia "capitaia," see *Gonia* spp.

Gonia capitata, see *Gonia aldrichi* or *Gonia* spp.

Gonia capitata types B, C, or D, see *Gonia* spp.

Gonia crassicornis (Fabricius)

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga spp.

All records ex *Lachnosterna* spp.

Wolcott, 1951a: 482, P.R. (questionable host); Wolcott,
1924: 223, P.R. (as *G. angusta* Macquart).

HOST: LEPIDOPTERA

Noctuidae

Feltia subterranea (Fabricius)

Patton, 1958: 82, Fla. (as *Salmacia*); Tissot, 1945: 64, Fla.
(as "*Phosococephalus*").

Prodenia sunia (Guenée)

All records ex "*Xylomiges*" *sunia*.

Wolcott, 1951a: 482, P.R. (as *G. pallens* Wiedemann);
Gowdey, 1926: 83, Jamaica (as *G. pallens*); Wolcott,
1924: 223, P.R. (as *G. pallens*).

Spodoptera eridania (Cramer)

Patton, 1958: 82, Fla. (as *Salmacia* ex *Prodenia*); Wolcott,
1951a: 482, P.R. (ex "*Xylomiges*").

Spodoptera exigua (Hübner)

All records ex *Laphygma exigua*.

Wilson, J. W., 1933: 3, 13, Fla.; Wilson, J. W., 1932: 39,
Fla.

Spodoptera frugiperda (J. E. Smith)

All records ex *Laphygma frugiperda*.

*Wolcott, 1951a: 481-482, P.R. (Jones, T. H., and Wolcott, 1922; Jones, T. H., 1913; Van Dine, 1913b); Wolcott, 1924: 223, P.R.; Jones, T.H., and Wolcott, 1922: 47, P.R. (as *G. "grassicornis"*); Jones, T. H., 1913: 235, P.R.; Van Dine, 1913b: 202, P.R.

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera), adult (Coleoptera).

Gonia exul, see *Gonia sequax*

Gonia "frontalis," see *Gonia frontosa*

Gonia frontosa Say

HOST: COLEOPTERA

Meloidae

Tetraonyx quadrimaculata (Fabricius)

Fattig, 1949: 30, Ga. (as *Salmacia*).

HOST: LEPIDOPTERA

Noctuidae

Crymodes devastator (Brace)

Crumb, 1929: 40, 103, Iowa (ex *Sidemia*); Brauer and Bergenstamm, 1895: 555, 593, N. Amer. (as *G. "frontalis"* ex *Hadena devastatrix*).

Feltia ducens Walker - *Feltia subgothica* (Haworth) complex

Crumb, 1929: 40, 66-67 (ex *F. ducens-subgothica*).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

BIOLOGY: Crumb, 1929: (40, 66-67).

Gonia fuscicollis Tothill

HOST: LEPIDOPTERA

Noctuidae

Euxoa ochrogaster (Guenée)

King, K. M., and Atkinson, 1928: 170-173, Sask. (as *G. "fuscicollis"*).

Feltia ducens Walker

Crumb, 1929: 40.

STAGE PARASITIZED: Larva.

Gonia "fuscicollis," see *Gonia fuscicollis*

Gonia "grassicornis," see *Gonia crassicornis*

Gonia longiforceps Tothill

HOST: LEPIDOPTERA

Noctuidae

Agrotis orthogonia Morrison

Morrison, 1940: 347, Alta.; Thornley and Sorenson, 1940: 48, Utah; Strickland, 1938: 217, Alta. (ex pale western cutworm); Cook, W. C., 1930: 31, Mont. (ex *Porosagrotis*).

Euxoa tristicula (Morrison)

Cook, W. C., 1930: 31, Mont.

STAGE PARASITIZED: Larva.

Gonia longipulvilli Tothill

HOST: LEPIDOPTERA

Noctuidae

Agrotis ipsilon (Hufnagel)

Gressitt, 1959: 4, Hawaii (as *Salmacia*).

Agrotis malefida Guenée

Chapman, Fife and Cavitt, 1935: 305, Tex. (ex *Feltia*).

Agrotis orthogonia Morrison

*Arnaud, 1957: 262, Sask. (as *Salmacia*, Morrison, 1940); Morrison, 1940: 354, Sask.

Feltia subterranea (Fabricius)

Arnaud, 1957: 262, Ariz. (as *Salmacia*); Crumb, 1929: 40 (ex *F. annexa* Treitschke).

Peridroma saucia (Hübner)

Crumb, 1929: 40 (ex *Lycophotia*).

STAGE PARASITIZED: Larva, pupa.

Gonia pallens, see *Gonia crassicornis***Gonia porca** Williston

HOST: LEPIDOPTERA

Noctuidae

Peridroma saucia (Hübner)

All records ex *Lycophotia margaritosa* (Haworth).

Essig, 1926: 584; Essig, 1915: 401, Calif.

Pseudaletia unipuncta (Haworth)

Essig, 1926: 584 (ex *Cirphis*).

Cutworm(-s)

Essig, 1926: 584.

STAGE PARASITIZED: Larva.

Gonia sagax Townsend

HOST: LEPIDOPTERA

Geometridae

Alsophila pometaria (Harris)

Schaffner and Griswold, 1934: 90, 124, N.J.

STAGE PARASITIZED: Pupa.

BIOLOGY: Schaffner and Griswold, 1934: (90, 124).

"*Gonia sagax* Williston"

HOST: LEPIDOPTERA

Arctiidae

Unidentified Arctiidae

Allen, 1929: 689, Miss.

STAGE PARASITIZED: Pupa.

Gonia sequax Williston

HOST: LEPIDOPTERA

Noctuidae

Agrotis ipsilon (Hufnagel)

Rockwood, 1925: 720, Oreg. (as *G. exul* Williston ex *A. ypsilon*).

Peridroma saucia (Hübner)

Anon., 1969: 59, Okla.; *Crumb, 1929: 40, 115 (ex *Lycophotia*, Wakeland, 1920); Wakeland, 1920: 18, Colo.

Spodoptera frugiperda (J. E. Smith)

Brauer and Bergenstamm, 1895: 555, 595, N. Amer. (as *G. exul* ex *Laphygma*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 67 on pl. 15).

BIOLOGY: Rockwood, 1925: (720).

Gonia texensis Reinhard

HOST: LEPIDOPTERA

Noctuidae

Mocis spp. (including *M. latipes* (Guenée) and/or *M. repanda* (Fabricius))

Scaramuzza, 1946: 549, Cuba (ex *M. repanda*).

Spodoptera frugiperda (J. E. Smith)

Most records ex *Laphygma frugiperda*.

Scaramuzza and Barry, 1960: 997, Cuba; Scaramuzza, 1951a: 299, Cuba; Scaramuzza, 1942: 148, Cuba; Bruner, S. C., 1934: 96, Cuba; Van Dine and Christenson, 1932: 2, Cuba; Scaramuzza, 1929: 122, Cuba (ex *Laphygma* [sp.]); Scaramuzza, 1929a: 113, Cuba (ex *Laphygma* [sp.]).

STAGE PARASITIZED: Larva.

Gonia spp. (1) or (2), see *Gonia* spp.

Gonia spp.

Most records as *Gonia capitata* (De Geer).

HOST: LEPIDOPTERA

Lymantriidae

Nygmia phaeorrhoea (Donovan)

Burgess and Crossman, 1929: 143.

Noctuidae

Agrotis ipsilon (Hufnagel)

All records ex *Agrotis ypsilon*.

Crumb, 1929: 40 (as *Gonia* sp.); *Crumb, 1929: 59 (Sanderson, 1906); Sanderson, 1906: 8, Tex.

Agrotis orthogonia Morrison

Most records ex *Porosagrotis orthogonia*.

*Sweetman, 1936: 232, Canada (Strickland, 1923); Seamans and McMillan, 1935: 424 (as *Gonia* spp. ex *Agrotis*); Essig, 1926: 584, Canada; Seamans, 1923: 53, Alta.; Strickland, 1923: 22, figs. 8-12, 14-15 (as *G. capitata* type B, lab.); Strickland, 1923: 22, figs. 8-12, 14-15 (as *G. capitata* type D, unsuccessful lab. rearing); Strickland, 1923: 18-29, 39, figs. 8-12, 14-15, Alta. (as *G. capitata* et al.); Strickland, 1923: 22, figs. 8-12, 14-15, Alta. (as *G. capitata* type C); Strickland, 1921: 98-99, Alta.

Agrotis sp.

Tothill, 1913: 72, Ont. (ex agrotid sp.).

Anticarsia gemmatilis Hübner

All records ex *Anticarsia* "gemmatilis."

Wolcott, 1951a: 481, P.R. (as *Gonia* sp.); Wolcott, 1924: 223, P.R. (as *Gonia* sp.).

Crymodes devastator (Brace)

Johnson, 1910: 783, N.J. (ex *Hadena devastatrix*).

Euxoa ochrogaster (Guenée)

Schaffner and Griswold, 1934: 42, 124, Mass. (as *Gonia* sp. (1)); King, K. M., and Atkinson, 1928: 170-173, Sask. (as *Gonia* spp.); Essig, 1926: 584, Canada; Strickland, 1923: 39, figs. 8-12, 14-15, Alta. (as *G. capitata* et al.); Strickland, 1923: 22, figs. 8-12, 14-15 (as *G. capitata* type B, unsuccessful lab. rearing); Tothill, 1913: 72, "CowBay, C.B." (ex *Paragrotis*).

Heliothis zea (Boddie)

Most records ex *Heliothis obsoleta* (Fabricius).

Bosch and Hagen, 1966: 25, Calif. (ex *H. zea*); Essig, 1926: 584, U.S.; Quaintance and Brues, 1905: 123, Tex. (as *G. "capitaia"*).

Lithophane antennata (Walker)

Schaffner and Griswold, 1934: 49, 124, N.J. (as *Gonia* sp. (2) ex *Graptolitha*).

Peridroma saucia (Hübner)

*Crumb, 1929: 40, 115 (ex *Lycophotia*, Coquillett, 1897); Essig, 1926: 584, Calif., Colo. (ex *Lycophotia margaritosa* (Haworth)); Johnson, 1910: 783, N.J.; Chittenden, 1901a: 62; Coquillett, 1897: 17, 26, Calif.

Scotogramma trifolii (Rottenburg) probably

Lintner, 1889: 323, Conn. (as *Gonia* sp. ex *Mamestra*).

Spodoptera frugiperda (J. E. Smith)

All records ex *Laphygma frugiperda*.

Patton, 1958: 82, Fla. (as *Salmacia* sp.); Coquillett, 1897: 17, 25, Ark.

Cabbage cutworm(-s)

Lintner, 1887: 90, N.Y. (as *Gonia* sp.).

Cutworm(-s)

Aldrich, 1915: 82.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Strickland, 1923: (descr., figs. 8, 14).

First instar larva — Strickland, 1923: (descr., figs. 9, 14-15).

Second instar larva — Strickland, 1923: (descr., fig. 10).

Third instar larva — Strickland, 1923: (descr., fig. 11).

Pupa — Strickland, 1923: (descr., fig. 12); Greene, 1922: (descr., fig. 66 on pl. 14).

BIOLOGY: Sweetman, 1936: (232); Seamans and McMillan, 1935: (424); Schaffner and Griswold, 1934: (42, 49, 124); Strickland, 1923: (18-29, 39).

Goniomima unifasciata, see *Triachora unifasciata*

"*Goniomyia*" *unifasciata*, see *Triachora unifasciata*

Grisdalemyia Curran (Dexiinae: Macquartiini)

Grisdalemyia spp.

HOST: COLEOPTERA

Chrysomelidae

Chrysomela crotchii Brown

Smereka, 1965: 548, Ont.

STAGE PARASITIZED: Larva

Guerinia Robineau-Desvoidy (Goniinae: Exoristini)**Guerinia dydas** (Walker)

HOST: HYMENOPTERA

Diprionidae

Diprion hercyniae (Hartig)Davault, 1944: 40, Que. (as *G. "spinosila"* (Townsend) ex *Gilpinia*).

Tenthredinidae

Allantus cinctus (Linnaeus)Chittenden, 1908: 12, Pa. (as *Tachina rustica* Fallén ex *Emphytus*).*Macremphytus intermedius* (Dyar)All records ex "*Macrephytus*" *intermedius*.*Procter, 1946: 434, Maine (as *Exorista simulans* Meigen, Procter, 1938); Procter, 1938: 375, Maine (as *Exorista simulans*).*Macremphytus tarsatus* (Say)Tothill, 1913: 74, Ont. (as *Tachina simulans* ex *Harpiphorus*).*Macremphytus testaceus* (Norton)

Raizenne, 1957: 38, Ont.

Macremphytus varianus (Norton)Raizenne, 1957: 38, Ont.; Greene, 1921: 41, Md. (as *Tachina rustica*).*Pristiphora geniculata* (Hartig)Forbes and Davault, 1964: 1128 (as *Exorista simulans*).

Unidentified Hymenoptera

Sawfly(-flies)

Patton, 1958: 38, Fla. (as *G. simulans* ex small sawfly on *Fraxinus* sp.); Essig, 1926: 583 (as *Tachina rustica*);

*Brauer and Bergstamm, 1895: 577, 608, N. Amer. (as

(*Tachina*) *tenthredinivora* Townsend ex *Tenthredo* sp., Townsend, 1892a); Townsend, 1892a: 285, Canada (as *Tachina tenthredinivora*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 78 on pl. 17).

Guerinia rufostomata (Bigot)

HOST: HYMENOPTERA

Unidentified Hymenoptera

Sawfly(-flies)

Taylor, R. L., 1929: 223, Mass. (as *Chaetotachina simulans* (Meigen), probable host).

BIOLOGY: Taylor, R. L., 1929: (223).

Guerinia simulans, see *Guerinia dydas*

Guerinia "spinosila," see *Guerinia dydas*

Guerinia spinosula, see *Guerinia dydas*

Gymnocarcelia Townsend (Goniinae: Carceliini)

Gymnocarcelia ricinorum Townsend

Most records as *Sturmia albifrons* (Walker).

HOST: LEPIDOPTERA

Arctiidae

Apantesis phyllira (Drury)

Townsend, 1919: 582, Fla. (as *G. ricinorum* ex "*Apantesia*").

Diacrisia virginica (Fabricius)

Schaffner and Griswold, 1934: 36, 118 (as *S. ricinorum*).

Ecpantheria deflorata (Fabricius)

All records ex *Ecpantheria scribonia* Stoll.

Johnson, 1910: 781, N.J.; Coquillett, 1897: 20, 25, Fla.

Estigmene acrea (Drury)

Most records ex *Estigmene acrea*.

Carrillo S., Ortega C., and Gibson, 1966: 94, Mexico (Son.) (as *G. ricinorum*); Patton, 1958: 38-39, Fla. (as *G. ricinorum* ex *E. acrea*); Schaffner and Griswold, 1934: 38, 118 (as *S. ricinorum* ex *E. acrea*); Essig, 1926: 583, Calif.; Reinhard, 1922: 73, Tex.; Winn and Beaulieu, 1915: 142, Que. (ex *Leucarctia* "*acraca*"); Johnson, 1910: 781, N.J. (ex *Leucarctia*); Coquillett, 1897: 20, 26, Calif., Conn., S.C., Tex. (ex *Leucarctia*).

Utetheisa ornatrix bella (Linnaeus)

Schaffner and Griswold, 1934: 39-40, 118, N.J. (as *S. ricinorum* ex *U. bella*).

Unidentified Arctiidae

Schaffner and Griswold, 1934: 40-41, 118 (as *S. ricinorum*);
Aldrich, 1932: 3, Mass. (as *S. ricinorum*).

Noctuidae

Pseudaletia unipuncta (Haworth)

Essig, 1926: 583, Calif. (ex *Cirphis*); Tothill, 1913: 74, Ont.
(ex *Heliophila*).

Unidentified Noctuidae

Johnson, 1925a: 87, N.H. (as *G. ricinorum* ex *Noctua* sp.).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 99 on pl. 20).

BIOLOGY: Patton, 1958: (38-39); Schaffner and Griswold,
1934: (118).

Gymnocarcelia ricinorum Townsend probably

All records as *Hemimasicerca* spp.

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria deflorata (Fabricius)

Brauer and Bergenstamm, 1895: 556, 591, N. Amer. (ex *E.*
scribonia Stoll).

Estigmene acrea (Drury)

Brauer and Bergenstamm, 1895: 556, 597, N. Amer. (ex
Leucarctia acraea).

Gymnocarcelia sp.

HOST: LEPIDOPTERA

Arctiidae

Estigmene acrea (Drury)

Taylor, E. A., 1954: 526, Ariz.

STAGE PARASITIZED: Larva.

Gymnochaeta ruficornis, see *Gymnocheta ruficornis*

Gymnochaetopsis Townsend (Tachininae: Linnaemyini)

Gymnochaetopsis fulvicauda (Walton)

Most records as *Linnaemyia fulvicauda*.

HOST: LEPIDOPTERA

Noctuidae

Heliothis zea (Boddie)

Gowdey, 1923a: 54, Jamaica (ex *Chloridea obsoleta*
(Fabricius)).

Mocis spp. (including *M. latipes* (Guenée) and/or *M. repanda* (Fabricius))

Wolcott, 1951a: 481, P.R. (ex *M.* (or *Remigia*) *repanda*);
Gowdey, 1926: 83, Jamaica (ex *M. punctularis* (Hübner)); Vickery, 1924: 405, P.R. (as *Linnaemya* ex *M. repanda*); Wolcott, 1924: 223, P.R. (ex *Remigia repanda*); Gowdey, 1923a: 21, Jamaica (ex "*Mocia*" *repanda*); Jones, T. H., and Wolcott, 1922: 49, P.R. (ex *Remigia repanda*); Walton, 1914a: 93, P.R. (ex *Remigia repanda*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 29 on pl. 7).

Gymnocheta Robineau-Desvoidy (Tachininae: Linnaemyini)

Gymnocheta ruficornis Williston

All records as *Gymnochaeta ruficornis*.

HOST: LEPIDOPTERA

Noctuidae

Papaipema arctivorens Hampson

Decker, 1935: 569, 578, Iowa.

Papaipema cataphracta (Grote)

Decker, 1935: 569, 578, Iowa.

Papaipema nebris (Guenée)

Decker, 1935: 568-569, 578, Iowa; Decker, 1931: 344, Iowa.

STAGE PARASITIZED: Larva.

BIOLOGY: Decker, 1935: (568-569, 578); Decker, 1931: (344).

Gymnoclytia Brauer and Bergenstamm (Phasiinae: Gymnosomatini)

Gymnoclytia dubia (West)

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Cosmopepla bimaculata (Thomas)

West, 1925: 122, N.Y. (as *Gymnosoma*).

Gymnoclytia immaculata (Macquart)

All records as *Cistogaster immaculata*.

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Euschistus variolarius (Palisot de Beauvois)

Parish, 1934: 54, Iowa (as "*Cistogaster*").

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

All records ex *Leucania unipuncta*.

Lintner, 1897: 210; *Brauer and Bergenstamm, 1895: 548, 596, Carolina (Townsend, 1893); Townsend, 1893: 466, Ill.

STAGE PARASITIZED: Larva (Lepidoptera), adult (Hemiptera-Heteroptera).

Gymnoclytia occidua (Walker)

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Euschistus variolarius (Palisot de Beauvois)

Rings and Brooks, 1958: 15-16, Ohio.

HOST: LEPIDOPTERA

Pieridae

Pieris protodice Boisduval and LeConte

Fattig, 1949: 18-19, Ga.

Pieris rapae (Linnaeus)

Fattig, 1949: 18-19, Ga.

STAGE PARASTIZED: Larva (Lepidoptera), adult (Hemiptera-Heteroptera).

Gymnophthalma americana, see *Actia americana*

Gymnophthalma interrupta, see *Actia interrupta*

Gymnosoma Meigen (Phasiinae: Gymnosomatini)

Gymnosoma dubia, see *Gymnoclytia dubia*

Gymnosoma filiola Loew

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Chlorochroa ligata (Say)

Brooks, 1946a: 218 (as *Rhodogyne*).

Gymnosoma fuliginosum Robineau-Desvoidy

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Chlorochroa ligata (Say)

Most records ex *Pentatoma ligata*.

Russell, E. E., 1952: 15, Ariz. (as *Rhodogyne*); Morrill, 1910: 64, figs. 9-10 on pl. 3, Tex., Mexico (Dgo.); Morrill, 1907: 11, Tex.

Chlorochroa sayi Stål

Russell, E. E., 1952: 15, Ariz. (as *Rhodogyne*); Clancy, 1946: 327-328, Ariz.; Strand, 1937: 26, Mont. (ex Say's plant bug); Knowlton and Janes, 1931: 147, Utah; Aldrich, 1915: 81, Ariz., N. Mex. (ex *Pentatoma*).

Chlorochroa uhleri Stål

Walster, 1942: 9, N. Dak.

Eurygaster spp.

Vojdani, 1961: 576, Calif.

Euschistus impictiventris Stål

Russell, E. E., 1952: 15, Ariz. (as *Rhodogyne*, incomplete rearing — [larva]).

Euschistus servus (Say)

Rolston and Kendrick, 1961: 156, Ark.

Euschistus variolarius (Palisot de Beauvois)

Parish, 1934: 54, Iowa.

Wheat bug(-s)

Strickland, 1938: 216.

STAGE PARASITIZED: Nymph, adult.

IMMATURES: Egg — Morrill, 1910: (fig. 9 on pl. 3).

Pupa — Greene, 1922: (descr., fig. 19 on pl. 5); Morrill, 1910: (fig. 10 on pl. 3).

BIOLOGY: Rolston and Kendrick, 1961: (156); Clancy, 1946: (327-328); Morrill, 1910: (64).

Gymnostylia Macquart (Goniinae: Blondeliini)

"*Gymnostylia*" sp.

HOST: HYMENOPTERA

Tenthredinidae

Unidentified Tenthredinidae

Brauer and Bergenstamm, 1895: 556, 608, N. Amer. (ex Tenthrediniden-Raupen auf Erlen).

STAGE PARASITIZED: Larva.

Hamaxia Walker (Phasiinae: Palpostomatini)

Hamaxia incongrua Walker

All records as *Ochromeigenia ormioides* Townsend.

HOST: COLEOPTERA

Scarabaeidae

Popillia japonica Newman

Sweetman, 1936: 121, 236, U.S.

Unidentified Scarabaeidae

Sweetman, 1936: 121, U.S. (ex Scarabaeidae (other than *Popillia japonica*)).

STAGE PARASITIZED: Adult.

BIOLOGY: Sweetman, 1936: (121, 236).

Helioplagia Townsend (Tachininae: Germariini)

Helioplagia slossonae (Coquillett)

HOST: COLEOPTERA

Coccinellidae

Epilachna varivestis Mulsant

Aldrich, 1932a: 25, Ala. (as *Exoristoides* ex *E. corrupta* Mulsant).

HOST: LEPIDOPTERA

Hesperiidae

Thymelicus lineola (Ochsenheimer)

Arthur, 1966: 625, [Canada]; Arthur, 1962: 1083, 1085, Ont.

STAGE PARASITIZED: Pupa (Lepidoptera).

Hemimasicera sp., see *Gymnocarcelia ricinorum* probably

Hemisturmia Townsend (Goniinae: Winthemiini)

Hemisturmia tortricis (Coquillett)

Most records as *Phorocera tortricis*.

HOST: LEPIDOPTERA

Glyphipterygidae

Anthophila pariana (Clerck)

All records ex *Hemerophila pariana*.

*Cameron, 1931: 41, Conn. (Porter and Garman, 1923);
Porter and Garman, 1923: 261, Conn.

Nymphalidae

Nymphalis antiopa (Linnaeus)

Knowlton and Hanson, 1949: 6, Utah (ex "*Euuanesia*").

Olethreutidae

Ancylis comptana (Frölich)

Summerland, 1938: 172-173, Kans. (as *P. "torticis"*).

Pterophoridae

Pterophorus periscelidactylus Fitch

Putman, 1935a: 105, Ont.

Pyralidae

Acrobasis indigenella (Zeller)

Aldrich and Webber, 1924: 76, Mo. (ex *Mineola "indiginella"*).

Tortricidae

Acleris minuta (Robinson)

All records ex *Peronea minuta*.

*Aldrich and Webber, 1924: 76, N.J. (Weiss, 1917); Weiss, 1917: 220, N.J. (as *Neopales*).

Acleris variana (Fernald)

Miller, C. A., 1966: 603, N.S.

Archips argyrospilus (Walker)

Paradis and LeRoux, 1965: 44, 46, 48-49, fig. 14E, Que. (as *Ceratochaeta*); Aldrich and Webber, 1924: 76, Ark. (ex *Cacoecia*).

Archips cerasivoranus (Fitch)

Powell, 1962: 133, 136, Calif.; Schaffner, 1959: 30, 53, Mass., N.H., Vt.; Thompson, 1953: 19; Hoffman, 1936: 211, Minn. (ex *Cacoecia*); Putman, 1935a: 108, Ont. (ex *Cacoecia*); Johnson, 1925: 199, Vt. (ex *Cacoecia*); Aldrich and Webber, 1924: 76, Mass., Vt. (ex *Cacoecia*); Johnson, 1916: 81, Vt. (as *Neopales*); Herrick, 1912: 291, N.Y.

Archips rileyanus (Grote)

Wylie and Tadic, 1963: 165, Ark. (as *P. "torbricis"* ex *A. cerasivorana rileyana*).

Argyrotaenia velutinana (Walker)

Anon., 1963c: 20, Ont.

Choristoneura fumiferana (Clemens)

Coppel, 1960: 94, 97, B.C. (as *Ceratochaeta*); Ross, 1952: 112, fig. 13, Canada; Dowden and Carolin, 1950: 777,

N.Y. (ex *Archips*); Wilkes, Coppel, and Mathers, 1949: 146, 149, B.C.

Choristoneura pinus Freeman

Dixon and Benjamin, 1963: 267-270, Wis.

Choristoneura rosaceana (Harris)

Schuh and Mote, 1948: 26, 28, Oreg. (ex *Archips*).

Unidentified Tortricidae

Coquillett, 1897: 19, 27, Mich.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Paradis and LeRoux, 1965: (fig. 14E); Ross, 1952: (fig. 13); Greene, 1922: (descr., fig. 75 on pl. 16).

BIOLOGY: Paradis and LeRoux, 1965: (44, 46, 48-49); Schaffner, 1959: (30, 53).

Hemithrixion Brauer and Bergenstamm (Goniinae: Acemyini)

Hemithrixion oestriforme, see *Hemithrixion oestriforme* or *Hemithrixion plankii*

Hemithrixion oestriforme Brauer and Bergenstamm

HOST: ORTHOPTERA

Acrididae

Boopedon nubilum (Say)

Newton, 1954: 936, Mont.

Camnula pellucida (Scudder)

Newton, 1954: 936, Mont.

Melanoplus bivittatus (Say)

Newton, 1954: 936, Mont.; Smith, R. W., 1944: 29, Canada.

Melanoplus bruneri Scudder

Newton, 1954: 936, Mont.

Melanoplus sanguinipes (Fabricius)

Paul and Putnam, 1960: 492, Sask. (ex *M. bilituratus* (Walker), probable host); Smith, R. W., 1944: 29, Canada (ex *M. mexicanus* Saussure).

Grasshopper(-s)

Anon., 1956: 196, W. Canada; Smith, R. W., and Finlayson, 1950: 98-99, figs. 24, 48, Canada; Strickland, 1946: 172, Alta.

STAGE PARASITIZED: Nymph, adult.

IMMATURES: Second instar larva — Smith, R. W., and Finlayson, 1950: (descr., figs. 24, 48).

BIOLOGY: Smith, R. W., and Finlayson, 1950: (98-99).

Hemithrixion plankii (Walton)

HOST: ORTHOPTERA

Acrididae

Grasshopper(-s)

*Greene, 1934: 31, N.J. (as *H. oestriforme* Brauer and Bergenstamm ex Quaintance No. 11808, Walton, 1915); Walton, 1915: 105, 107, figs. 4-5 on pl. 13, N.J. (as *Coquillettina*).

IMMATURES: Pupa — Greene, 1922: (descr., fig. 14 on pl. 3); Walton, 1915: (descr., figs. 4-5 on pl. 13).

Hemithrixion sp.

HOST: ORTHOPTERA

Acrididae

Grasshopper(-s)

Smith, R. W., 1939: 60, Sask.

Hemithrixion sp. probably

HOST: ORTHOPTERA

Acrididae

Dissosteira spurcata Saussure

Kelly and Middlekauff, 1961: 422, Calif.

STAGE PARASITIZED: Adult.

"Hemorilla" *maculosa*, see *Nemorilla pyste*

Hemyda Robineau-Desvoidy (Phasiinae: Cylindromyiini)

Hemyda aurata Robineau-Desvoidy

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Podisus maculiventris (Say)

Coppel and Jones, 1964: 191-194, figs. 1-8, Wis.

STAGE PARASITIZED: Adult.

IMMATURES: First instar larva — Coppel and Jones, 1964: (descr., figs. 1-2).

Second instar larva — Coppel and Jones, 1964: (descr., fig. 3).

Third instar larva — Coppel and Jones, 1964: (descr., fig. 4).

Pupa — Coppel and Jones, 1964: (descr., figs. 5-8).

Homoeonychia rapae, see *Obolocera rapae*

Hubneria Robineau-Desvoidy (Goniinae: Carceliini)

Hubneria estigmenensis (Sellers)

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Sellers, 1943: 81 (as *Aplomya*).

Estigmene acrea (Drury)

Sellers, 1943: 81 (as *Aplomya* ex *E. acrea*); Schaffner and Griswold, 1934: 38, 111 (as *Zenillia affinis* (Fallén)).

Isia isabella (J. E. Smith)

Sellers, 1943: 81 (as *Aplomya*); Schaffner and Griswold, 1934: 36-37, 111 (as *Zenillia affinis*).

Phragmatobia fuliginosa (Linnaeus)

*Sellers, 1943: 81 (as *Aplomya*, Tothill, 1913); *Aldrich and Webber, 1924: 35 (as *Zenillia affinis*, Tothill, 1913); Tothill, 1913: 70, Ont. (as *Exorista affinis*).

Phragmatobia fuliginosa rubricosa (Harris)

Sellers, 1943: 81 (as *Aplomya*); Schaffner and Griswold, 1934: 35-36, 111 (as *Zenillia affinis*).

Unidentified Arctiidae

Essig, 1926: 581 (as *Zenillia affinis*).

STAGE PARASITIZED: Pupa.

IMMATURES: Pupa — Sellers, 1943: (descr.).

BIOLOGY: Sellers, 1943: (81); Schaffner and Griswold, 1934: (111).

Hyalomya Robineau-Desvoidy (Phasiinae: Phasiini)

Hyalomya aldrichii Townsend

HOST: HEMIPTERA (HETEROPTERA)

Lygaeidae

Emblethis vicarius Horvath

Scudder, 1966: 286, B.C.

Geocoris bullatus (Say)

Clancy and Pierce, 1966: 857-858, Calif.

Geocoris punctipes (Say)

Clancy and Pierce, 1966: 857-858, Calif.

Geocoris uliginosus speculator Montandon

Clancy and Pierce, 1966: 857-858, Calif.

Nysius ericae (Schilling)

Bird, R. D., and Mitchener, 1953: 44, Man. (as "*Hyalomyopsis*," probable host).

Nysius raphanus Howard

Clancy and Pierce, 1966: 858, Calif.

Unidentified Hemiptera (Heteroptera)

Miscellaneous

Bird, R. D., and Mitchener, 1953: 44 (as "*Hyalomyopsis*").

STAGE PARASITIZED: Adult.

Hyalomya purpurascens Townsend

HOST: HEMIPTERA (HETEROPTERA)

Cydnidae

Sehirus cinctus Palisot de Beauvois

Brooks, 1945a: 676, Ga. (as *Alophorellopsis*).

Hyalomyia ecitonis, see *Androeryops ecitonis*

Hyalomyiopsis aldrichii, see *Hyalomya aldrichii*

Hyalomyodes Townsend (Phasiinae: Strongygastrini)

Hyalomyodes "triangularis," see *Hyalomyodes triangulifer*

Hyalomyodes triangulifer (Loew)

HOST: COLEOPTERA

Alleculidae

Chromatia amoena (Say)

Thompson, 1954: 137-143, figs. 1-7, 10-12, 16, 20, 23 on
pls. 1-2, Mass.

Chrysomelidae

Altica bimarginata Say

Thompson, 1954: 139-142, figs. 1-7, 10-12, 16, 20, 23 on
pls. 1-2 (ex *Haltica* "*bimarginata*"); Johnson, 1925: 191,
Conn., Maine, Mass., N.H., R.I., Vt. (ex *Haltica*); Woods,
W. C., 1917: 273-274, Maine (as *H.* "*triangularis*").

Chrysomela interrupta Fabricius

Thompson, 1954: 139-143, figs. 1-7, 10-12, 16, 20, 23 on
pls. 1-2, Ont. (ex *Lina*).

Chrysomela knabi Brown

Brown, W. J., 1957: 11, Ont.

Oulema melanopus (Linnaeus)

Wellso and Hoxie, 1969: 923-924, Mich.

Coccinellidae

Coccinella trifasciata perplexa Mulsant

Smith, B. C., 1960: 652, Ont.

Coleomegilla maculata (De Geer)

All records ex *Ceratomegilla fuscilabris* Mulsant.

Thompson, 1954: 139-143, figs. 1-7, 10-12, 16, 20, 23 on pls. 1-2; Howard, N. F., and Landis, 1936: 6, N.Y.

Coleomegilla maculata lengi Timberlake

Smith, B. C., 1960: 652, Ont.

Epilachna varivestis Mulsant

Thompson, 1954: 139-143, figs. 1-7, 10-12, 16, 20, 23 on pls. 1-2, Mexico (Mor.); Howard, N. F., and Landis, 1936: 3, 6, Mexico.

Curculionidae

Hypera postica (Gyllenhal)

Wellso and Hoxie, 1969: 924, Mich.; Brunson and Coles, 1968: 6, E. U.S. (as "*Hyaolmyodes*").

Hypera punctata (Fabricius)

Wellso and Hoxie, 1969: 924, Mich.

Listroderes costirostris obliquus (Klug)

Beckham, 1955: 10, Ga.; Beckham, 1953: 20, Ga.; Beckham, 1952: 541, Ga.; Beckham, 1952a: 38-39, Ga. (ex vegetable weevil).

Sitona hispidula (Fabricius)

Thompson, 1954: 137-143, figs. 1-7, 10-12, 16, 20, 23 on pls. 1-2, Ont.

HOST: LEPIDOPTERA

Pterophoridae

Platyptilia carduidactyla (Riley)

Lange, 1950: 592, Calif.; Lange, 1941: 24, 67, Calif.

STAGE PARASITIZED: Larva (Coleoptera, Lepidoptera), adult (Coleoptera).

IMMATURES: First instar larva — Thompson, 1954: (descr., figs. 3, 6, 10, 20 on pls. 1-2).

Second instar larva — Thompson, 1954: (descr., figs. 1, 5, 11-12 on pls. 1-2).

Third instar larva — Thompson, 1954: (descr., figs. 2, 7, 16, 23 on pls. 1-2).

Pupa — Thompson, 1954: (descr., fig. 4 on pl. 1); Greene, 1922: (as *H. "triangulifera"*; descr., fig. 56 on pl. 12).

BIOLOGY: Wellso and Hoxie, 1969: (923-924); Beckham, 1953: (20).

Hyalomyodes "*triangulifera*," see *Hyalomyodes triangulifer*

"*Hyalomyopsis*" *aldrichii*, see *Hyalomya aldrichii*

Hyalurgus Brauer and Bergenstamm (Dexiinae: Hyalurgini)

Hyalurgus sp.

HOST: HYMENOPTERA

Tenthredinidae

Tomostethus multicinctus (Rohwer)

Anon., 1954e: 253, Ont.

STAGE PARASITIZED: Larva.

"*Hyaolmyodes*" *triangulifera*, see *Hyalomyodes triangulifer*

Hylotomomyia hylotomae, see *Spathimeigenia hylotomae*

"*Hylotomoyia hyletomae*," see *Spathimeigenia hylotomae*

"*Hypercteina*" *aldrichi*, see *Hyperecteina aldrichi*

Hyperecteina Schiner (Goniinae: Hyperecteini)

Hyperecteina aldrichi Mesnil

Most records as *Centeter cinerea* Aldrich.

HOST: COLEOPTERA

Scarabaeidae

Maladera castanea (Arrow) probably

Smith, L. B., 1929: 124-125, Conn., N.J., Pa. (ex Asiatic beetle).

Popillia japonica Newman

Fleming, 1963: 25, N.J. (as "*Hypercteina*" *aldrichi*); Clausen, 1956: 23, 107-108, Conn., Mass., N.J., Pa. (as *H. aldrichi*); Cory and Langford, 1955: 11, 20, Md. (ex Japanese beetle); Schread, 1948: 8, Conn. (ex Japanese beetle); Schread, 1947: 13, 17-19, Conn.; Schread, 1946: 49, Conn. (ex Japanese beetle); Schread, 1945: 339, Conn. (ex Japanese beetle); Slate, 1945: 60, Conn. (ex Japanese beetle); Adams, 1944: 9, fig. 4, N.Y. (as *Centeter* fly ex Japanese beetle); Adams and Wheeler, 1944: 25, N.Y. (ex Japanese beetle); Rex, 1944: 25, N.J.; French, 1943: 62, W. Va. (ex Japanese beetle); King and Parker, 1941: 127, 130, 138, Conn., N.J., Pa. (ex Japanese beetle); Vosburgh, 1941: 227, 236, 240, unnumbered fig. on p. 227, N.J. (ex Japanese beetle); Rex, 1940: 25, N.J.; King, 1939: 26, Conn., N.H., N.J., Pa. (ex Japanese beetle); Britton and Johnson, 1938: 468, Conn.; Hadley, 1938: 211; King, 1937: 475, 482, Conn., N.H., N.J., Pa. (ex Japanese beetle); Breshears and Dawson, 1936: 9, U.S.; Sweetman, 1936: 119, 121-122,

236, 245, figs. 33, 36, 102, U.S.; Rex, 1934: 24-25; Bade, 1933: 16; King, 1931: 453, 455-457, Conn., N.J.; King, 1930: 158-160, fig. 20, Conn., N.J., Pa.; Rex, 1930: 22-23, figs. 5-6 on fig. 9, N.J.; Smith, L. B., 1930: 500, Conn., Pa. (ex Japanese beetle); Showalter, 1929: pl. 17; Smith, L. B., 1929: 124-125, Conn., N.J., Pa. (ex Japanese beetle); Anon., 1928: 296-297, Conn., Pa.; Anon., 1928a: 943, Conn., Pa. (ex Japanese beetle); Allen and Jaynes, 1928: 823-824, 828-829, 831-832, N.J., Pa.; King, 1928: 404-405, fig. 131, N.J.; Britton, 1927: 246, Conn.; Clausen, King and Teranishi, 1927: 4-17, 54, figs. 11A-C, 12, 14D on pl. 1, N.J.; King and Hallock, 1925: 352-353, N.J.

STAGE PARASITIZED: Larva, adult.

IMMATURES: Egg — Adams, 1944: (fig. 4); Vosburgh, 1941: (unnumbered fig. on p. 227); Sweetman, 1936: (figs. 33, 102); King, 1930: (fig. 20); Rex, 1930: (descr., figs. 5-6 on fig. 9); Showalter, 1929: (pl. 17); King, 1928: (fig. 131); Clausen, King and Teranishi, 1927: (fig. 12 on pl. 1).

Larva — King, 1930: (fig. 20).

First instar larva — Sweetman, 1936: (fig. 36); Clausen, King and Teranishi, 1927: (descr., fig. 11A on pl. 1).

Second instar larva — Clausen, King and Teranishi, 1927: (descr., fig. 11B on pl. 1).

Third instar larva — Sweetman, 1936: (fig. 36); Rex, 1930: (fig. 5 on fig. 9); Clausen, King and Teranishi, 1927: (descr., fig. 11C on pl. 1).

Pupa — Clausen, King and Teranishi, 1927: (descr., fig. 14D on pl. 1).

BIOLOGY: Clausen, 1956: (6, 23, 107-108); Cory and Langford, 1955: (11, 20); Schread, 1947: (13, 17-19); Adams, 1944: (9); Rex, 1944: (25); King and Parker, 1941: (127, 130, 138); King, 1939: (26); Britton and Johnson, 1938: (468); Hadley, 1938: (211); King, 1937: (475, 482); Sweetman, 1936: (119, 121-122, 236, 245); Rex, 1934: (24-25); King, 1931: (453, 455-457); Rex, 1930: (22-23); Anon., 1928: (296-297); Anon., 1928a: (943); King, 1928: (404-405); Britton, 1927: (246); Clausen, King and Teranishi, 1927: (4-17, 54).

Hyperecteina hylotomae, see *Spathimeigenia hylotomae*

Hyperecteina "retinae," see *Urophyllopsis retiniae*

Hyperecteina retiniae, see *Urophyllopsis retiniae*

Hyphantrophaga Townsend (Goniinae: Carceliini)

Hyphantrophaga desmiae (Sellers)

HOST: LEPIDOPTERA

Pyralidae

Desmia funeralis (Hübner)Sellers, 1943: 17, Calif. (as *Zenillia*).

STAGE PARASITIZED: Pupa.

Hyphantrophaga euchaetiae (Sellers)All records as *Zenillia euchaetiae*.

HOST: LEPIDOPTERA

Arctiidae

Cycnia inopinatus (H. Edwards)

Sellers, 1943: 14.

Cycnia tenera Hübner

Sellers, 1943: 14, N.J.

Euchaetias egle (Drury)

Sellers, 1943: 14, N.J., N.Y.

Pyralidae

Pyrausta futilalis (Lederer)

Schaffner, 1959: 11, 54, N.J.; Sellers, 1943: 14.

STAGE PARASITIZED: Pupa.

BIOLOGY: Schaffner, 1959: (11, 54); Sellers, 1943: (15).

Hyphantrophaga "hyphantria," see *Hyphantrophaga hyphantria***Hyphantrophaga hyphantria** (Townsend)

HOST: LEPIDOPTERA

Arctiidae

Cycnia inopinatus (H. Edwards)Schaffner and Griswold, 1934: 33, 111 (as *Zenillia ceratomiae* (Coquillett)).*Cycnia tenera* HübnerSchaffner and Griswold, 1934: 32, 111 (as *Zenillia ceratomiae*).*Euchaetias egle* (Drury)Schaffner and Griswold, 1934: 39, 111 (as *Zenillia ceratomiae*).*Hyphantria cunea* (Drury)Sellers, 1943: 16 (as *Zenillia*); *Essig, 1926: 580 (Coquillett, 1897); Coquillett, 1897: 17, 25, N. Mex.; *Brauer and

Bergenstamm, 1895: 566, 594 (as *H. "hyphantria,"* Townsend, 1892b; Townsend, 1891b); Townsend, 1892b: 258-259 (ex fall webworm); Townsend, 1891b: 176-177, N. Mex. (as *Meigenia*).

Hyphantria textor (Harris)

*Brauer and Bergenstamm, 1895: 564, 594 (as *Nemoraea*, Townsend, 1893); Townsend, 1893: 467, Ill. (as *Nemoraea*).

Citheroniidae

Anisota senatoria J. E. Smith

Webber and Schaffner, 1926: 25, New England (as *Zenillia ceratomiae*).

Geometridae

Eucaterva variaria Grote

*Sellers, 1943: 16 (as *Zenillia*, Townsend, 1892b); *Essig, 1926: 580-581, N. Mex. (Townsend, 1892b); Townsend, 1892b: 258-259, N. Mex.

Lygris diversilineata (Hübner)

Sellers, 1943: 16, Tex. (as *Zenillia*).

Lasiocampidae

Gloveria howardi Dyar

Sellers, 1943: 16 (as *Zenillia*).

Malacosoma americanum (Fabricius)

Stehr and Cook, 1968: 258, 299-300, Tex.

Malacosoma californicum (Packard)

Stehr and Cook, 1968: 264, 300, Ariz.

Malacosoma incurvum discoloratum (Neumoegen)

Stehr and Cook, 1968: 280-281, 301, Nev., Utah.

Malacosoma incurvum incurvum (H. Edwards)

Stehr and Cook, 1968: 280, 301, Ariz.

Megalopygidae

Megalopyge crispata (Packard)

All records ex *Lagoa crispata*.

Sellers, 1943: 16, Fla. (as *Zenillia*); Aldrich and Webber, 1924: 42, Fla. (as *Zenillia ceratomiae*).

Noctuidae

Heliothis zea (Boddie)

Quaintance and Brues, 1905: 123, Tex. (as *Exorista ceratomiae* ex *H. obsoleta* (Fabricius)).

Spodoptera frugiperda (J. E. Smith)

All records ex *Laphygma frugiperda*.

Sellers, 1943: 16 (as *Zenillia*); Luginbill, 1928: 81, Tex.;

Luginbill, 1928: 82, Tenn. (as *Exorista ceratomiae*).

Nymphalidae

Nymphalis milberti (Godart)

Sellers, 1943: 16 (as *Zenillia*); Essig, 1926: 580-581, Colo. (ex *Aglais*); Townsend, 1895: 75, Colo. (ex *Vanessa*).

Pyralidae

Acrobasis caryae Grote

*Vide Sellers, 1943: 16 (as *Zenillia*, Leiby, 1925); Brimley, 1938: 362, N.C.; Leiby, 1925: 18, N.C. (as *Didyma exigua* Wulp).

Desmia funeralis (Hübner)

Donohoe and Kaloostian, 1937: 967-968, Calif. (as *Zenillia "ceratomyiae"*).

Loxostege similalis (Guenée)

Butler, 1958: 562, Ariz. (as *Zenillia*); Fattig, 1949: 37 (as *Zenillia*); Sellers, 1943: 16, Okla., Tex. (as *Zenillia*); Aldrich and Webber, 1924: 42, Okla., Tex. (as *Zenillia ceratomiae*); Reinhard, 1922: 72, Tex. (as *Exorista ceratomiae*).

Omphalocera cariosa Lederer

Sellers, 1943: 16, Kans. (as *Zenillia*); Aldrich and Webber, 1924: 42, Kans. (as *Zenillia ceratomiae*); Coquillett, 1897: 13, 26, Kans. (as *Exorista ceratomiae*).

Pempelia spp.

*Sellers, 1943: 16, Tex. (as *Zenillia*, Coquillett, 1897);

*Aldrich and Webber, 1924: 42, Tex. (as *Zenillia ceratomiae*, Coquillett, 1897); Coquillett, 1897: 13, 26, Tex. (as *Exorista ceratomiae*).

Unidentified Pyralidae

*Sellers, 1943: 16, Mo. (as *Zenillia*, Coquillett, 1897);

*Aldrich and Webber, 1924: 42, Mo. (as *Zenillia*

ceratomiae, Coquillett, 1897); Coquillett, 1897: 13, 26, Mo. (as *Exorista ceratomiae*).

Sphingidae

Ceratomia catalpae (Boisduval)

Fattig, 1949: 37, Ga. (as *Zenillia*).

Ceratomia undulosa (Walker)

*Sellers, 1943: 16 (as *Zenillia*, Coquillett, 1897); *Aldrich and Webber, 1924: 42, Mo. (as *Zenillia ceratomiae*, Coquillett, 1897); Coquillett, 1897: 13, 24, Mo. (as *Exorista ceratomiae*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Townsend, 1892b: (descr.).

Pupa — Greene, 1922: (descr., fig. 26 on pl. 6).

BIOLOGY: Schaffner and Griswold, 1934: (111); Townsend, 1892b: (258-259).

Hyphantrophaga sp.

HOST: LEPIDOPTERA

Nymphalidae

Nymphalis milberti (Godart)

Townsend, 1895: 75, Colo. (ex *Vanessa*).

Hypochaeta eudryae, see *Chaetophlepsis eudryae*

Hypochaeta longicornis, see *Chaetophlepsis orbitalis* or *Chaetophlepsis* spp.

Hypostena Meigen (Dexiinae: Dexiini)

Hypostena barbata, see *Eucelatoriopsis dimmocki* probably or *Medina barbata*

"*Hypostena floridensis* Townsend"

HOST: HYMENOPTERA

Argidae

Sphacophilus cellularis (Say)

All records ex *Schizocerus ebenus* Norton.

Chittenden, 1901: 107 (ex "*Shizocera*"); Coquillett, 1897: 17, 22, Miss.

Sterictiphora sp.

Johnson, 1913: 70-71, Fla. (ex *Schizocerus*).

HOST: LEPIDOPTERA

Blastobasidae

Valentinia glandulella (Riley)

All records ex *Blastobasis nubilella* Zeller.

Chittenden, 1901: 107; Coquillett, 1897: 17, 24.

Pyralidae

Diatraea saccharalis (Fabricius)

Gowdey, 1926: 81, Jamaica.

Ostrinia obliteralis (Walker)

Chittenden, 1901: 107, D.C., Md. or Va. (ex *Loxostege*).

STAGE PARASITIZED: Larva (Hymenoptera), pupa (Lepidoptera).

Hypostena grisea, see *Lixophaga grisea*

Hypostena tortricis, see *Erynnia tortricis*

Hypostena variabilis, see *Lixophaga variabilis*

Hypostena "variabilis," see *Lixophaga variabilis*

"*Hypostena*" sp.

HOST: COLEOPTERA

Chrysomelidae

Erynephila maritima (LeConte)

Chittenden and Marsh, 1920a: 17 (ex *Monoxia puncticollis* Say).

STAGE PARASITIZED: Larva.

Hypostena sp. probably, see *Lixophaga diatraeae*

Hystricia abrupta, see *Bombyliopsis abrupta*

"*Ictericophyta*" tibialis, see *Ictericophyto tibialis*

Ictericophyto Townsend (Dexiinae: Macquartiini)

Ictericophyto spinosa (Coquillett)

HOST: LEPIDOPTERA

Geometridae

Alsophila pometaria (Harris)

Schaffner and Griswold, 1934: 90, 106.

Brephos infans Möschler

Schaffner and Griswold, 1934: 90, 106.

Erannis tiliaria (Harris)

Raizenne, 1952: 142, Ont.; Schaffner and Griswold, 1934: 97-98, 196.

Noctuidae

Pyreferra hesperidago (Guenée)

Schaffner and Griswold, 1934: 51, 106 (ex *Conistra indirecta* Walker).

Tortricidae

Pandemis limitata (Robinson)

Raizenne, 1952: 208, Ont.

BIOLOGY: Schaffner and Griswold, 1934: (106).

Icteriphyto tibialis (Curran)

HOST: LEPIDOPTERA

Geometridae

Melanolopia imitata (Walker)

Evans, 1962: 597, B.C. (as "*Icteriphyta*").

STAGE PARASITIZED: Larva.

BIOLOGY: Evans, 1962: (597).

"*Icteriphyto*" *spinosa*, see *Icteriphyto spinosa*

Isoglossa hastata, see *Eucoronimyia hastata*

"*Jurinea*" *algens*, see *Nowickia algens*

Jurinia algens, see *Nowickia algens*

Jurinia apicifer, see *Archytas apicifer*

Jurinia hystrix, see *Archytas metallicus*

Jurinia metallicus, see *Archytas metallicus* or *Juriniopsis floridensis* probably

Juriniopsis Townsend (Tachininae: Dejeaniini)

Juriniopsis adusta, see *Juriniopsis adusta* or *Juriniopsis floridensis* probably

Juriniopsis adusta (Wulp)

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria deflorata (Fabricius)

Sabrosky, 1969: 82, S.C. (ex *E. scribonia* Stoll).

Hesperiidae

Epargyreus clarus (Cramer)

Sabrosky, 1969: 82, Pa.

Juriniopsis aurifrons Brooks

HOST: LEPIDOPTERA

Arctiidae

Halisidota sp.

Sabrosky, 1969: 82, Nev.

Juriniopsis floridensis Townsend probably

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria deflorata (Fabricius)

Most records ex *Ecpantheria scribonia* Stoll.

*Vide Sabrosky, 1969: 82, Fla. (Coquillett, 1897); *vide Sabrosky, 1969: 82, Fla. (Patton, 1958); Patton, 1958: 39, Fla. (as *J. adusta* (Wulp) ex *E. deflorata*, incomplete rearing — pupa); Coquillett, 1897: 18, 25, Fla. (as *Jurinia metallica* Robineau-Desvoidy).

STAGE PARASITIZED: Larva.

Larvaevoridae, see Tachinidae page 537.

Latreillia bifasciata, see *Belvosia bifasciata*

Latreillia bifasciata or *Willistonina bicincta*, see *Belvosia* sp.

Latreillimyia bifasciata, see *Belvosia bifasciata*

Leschenaultia Robineau-Desvoidy (Goniinae: Harrisiini)

Leschenaultia adusta (Loew)

Most records as *Blepharipeza adusta*.

HOST: LEPIDOPTERA

Arctiidae

Arachnis picta Packard

Essig, 1926: 583, Calif.; Coquillett, 1897: 10, 24.

Ecpantheria deflorata (Fabricius)

Daecke, 1916: 286, Pa. (as "*Blepharopeza*").

Estigmene acrea (Drury)

Bryan, D. E., Jackson and Stoner, 1969: 1, 7-8, Ariz. (as *Leschenaultia*, lab.); Stevenson, W. A., Kaufman and Sheets, 1957: 280, Wash. (as *Rileymyia*); Taylor, E. A., 1954: 526-529, Ariz. (as *Rileymyia*); Brooks, 1947: 172, 180, fig. 6 on pl. 14 (as *Rileymyia* ex *E. acrea*); Essig, 1926: 583, Calif. (ex *E. acrea*); Johnson, 1925: 202, Conn., Maine, Mass., N.H., R.I., Vt. (ex *Leucarctia acrea*); *Brauer and Bergenstamm, 1895: 545, 607 (ex *Spilosoma*, Osten Sacken, 1875); Osten Sacken, 1875: 72 (as "*Blepharopeza*" ex *Spilosoma*).

Halisidota argentata Packard

Silver, 1958: 76, B.C. (as "*Rileymia*"); *Brauer and

Bergenstamm, 1895: 545, 593 (ex "*Halesidota*,"
Townsend, 1893a); Townsend, 1893a: 403-404.

Halisidota caryae (Harris)

Schaffner and Griswold, 1934: 33, 121; Essig, 1926: 583,
Calif.; Tothill, 1913: 69, Ont.

Halisidota harrisii Walsh

Schaffner and Griswold, 1934: 34-35, 121.

Halisidota maculata (Harris)

Schaffner and Griswold, 1934: 33-34, 121; Essig, 1926: 583,
Calif.; Tothill, 1913: 69, Ont.

Halisidota tessellaris (J. E. Smith)

Schaffner and Griswold, 1934: 34, 121.

Halisidota spp.

Winn and Beaulieu, 1915: 142, Que. (ex "*Halesidota*").

Hemihyalea edwardsi (Packard)

Essig, 1926: 583, Calif.; Coquillett, 1897: 10, 25, Calif. (ex
Halisidota).

Unidentified Arctiidae

Johnson, 1925a: 87, New England (probable host).

Lasiocampidae

Malacosoma californicum californicum (Packard)

Coquillett, 1897: 10, 24, Calif. (ex *Clisiocampa thoracica*
Stretch).

Malacosoma constrictum (H. Edwards)

Essig, 1926: 583, Calif.; Coquillett, 1897: 10, 24, Calif. (ex
Clisiocampa).

Malacosoma disstria Hübner

Essig, 1926: 583, Calif.; Tothill, 1913: 69-70, N.B., Ont.

Saturniidae

Coloradia pandora Blake

Patterson, 1929: 17, Oreg.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Brooks, 1947: (descr., fig. 6 on pl. 14).

Pupa — Greene, 1922: (descr., fig. 68 on pl. 15); Townsend,
1893a: (descr.).

BIOLOGY: Bryan, D. E., Jackson and Stoner, 1969: (1, 7-8);

Taylor, E. A., 1954: (526-529); Schaffner and Griswold, 1934:
(121); Patterson, 1929: (17).

Leschenaultia americana (Brauer and Bergenstamm)

HOST: LEPIDOPTERA

Arctiidae

Halisidota argentata Packard

Silver, 1958: 76, B.C. (as "*Rileymia*" *triseta* Brooks).

Lasiocampidae

Malacosoma californicum californicum (Packard)

Brauer and Bergenstamm, 1895: 571, 588 (as *Rileya* ex *Clisiocampa thoracica* Stretch).

Malacosoma californicum pluviale (Dyar)

Johansen, 1957: 70, Wash. (as *Rileymyia triseta* ex *M. pluviale*).

Malacosoma constrictum (H. Edwards)

Brauer and Bergenstamm, 1895: 571, 588 (as *Rileya* ex *Clisiocampa*).

Malacosoma disstria Hübner

Johansen, 1957: 70, Wash. (as *Rileymyia triseta*).

Malacosoma spp. (including *M. californicum pluviale* (Dyar) and/or *M. disstria* Hübner)

Dailey, 1958: 269, Wash. (as *Rileymyia* ex western tent caterpillar and/or forest tent caterpillar); Dailey, 1957: 628, Wash. (as *Rileymyia* ex *M. disstria* and/or *M. pluviale*).

Malacosoma spp.

Ross, 1953: 20, 23, fig. 9, B.C. (as *Rileymyia*); Brooks, 1947: 172, 182, fig. 9 on pl. 14, B.C. (as *Rileymyia triseta*).

Noctuidae

Pyrophila sp.

Brauer and Bergenstamm, 1895: 571, 604 (as *Rileya*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Brooks, 1947: (descr., fig. 9 on pl. 14).

Pupa — Ross, 1953: (descr., fig. 9).

Leschenaultia cilipes, see *Leschenaultia leucophrys*

Leschenaultia exul (Townsend)

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma americanum (Fabricius)

Brooks, 1947: 172, 181, fig. 3 on pl. 14 (as *Rileymyia*); Bess, 1937: 411-412 (lab.); Bess, 1936: 594-612, figs. 1-18 on

pls. 1-4; Schaffner and Griswold, 1934: 88, 121 (as *Blepharipeza*).

Malacosoma disstria Hübner

Sippell, 1961: 434, 436, fig. 5, Ont.; McGugan, Haliburton and MacDonald, 1952: 45, Ont.; Brooks, 1947: 172, 181, fig. 3 on pl. 14 (as *Rileymyia*); Bess, 1936: 594-612, figs. 1-18 on pls. 1-4; Schaffner and Griswold, 1934: 89, 121 (as *Blepharipeza*).

Tent caterpillar(-s)

LeRoux, 1961: 114, Que. (as *Rileymyia*).

STAGE PARASITIZED: Larva.

IMMATURES: Egg — Brooks, 1947: (descr., fig. 3 on pl. 14); Bess, 1936: (descr., fig. 1 on pl. 1).

First instar larva — Bess, 1936: (descr., figs. 2-6 on pls. 1-2).

Second instar larva — Bess, 1936: (descr., figs. 7-9 on pl. 2).

Third instar larva — Bess, 1936: (descr., figs. 10-13 on pl. 3).

Pupa — Sippell, 1961: (descr., fig. 5); Bess, 1936: (descr., figs. 14-18 on pl. 4).

BIOLOGY: Bess, 1937: (411-412); Bess, 1936: (594-612); Schaffner and Griswold, 1934: (121).

Leschenaultia fulvipes (Bigot)

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma californicum (Packard)

Stehr and Cook, 1968: 267, 300, N. Mex.

Malacosoma californicum fragile (Stretch)

Stehr and Cook, 1968: 278, 301, Calif.

Malacosoma californicum ssp. (intermediate between *M. californicum lutescens* (Neumoegen and Dyar) and *M. californicum pluviale* (Dyar))

Stehr and Cook, 1968: 277-278, 301, Mont.

Malacosoma incurvum incurvum (H. Edwards)

Stehr and Cook, 1968: 280, 301, Ariz.

Saturniidae

Hemileuca lucina H. Edwards

Brooks, 1947: 172, 181 (as *Rileymyia*).

Hemileuca maia (Drury)

Brooks, 1947: 172, 181 (as *Rileymyia*).

Hemileuca spp. (including *H. lucina* H. Edwards and/or *H. maia* (Drury))

Schaffner and Griswold, 1934: 29, 122 (as *Blepharipeza*).

STAGE PARASITIZED: Larva.

IMMATURES: Egg — Brooks, 1947: (descr.).

BIOLOGY: Schaffner and Griswold, 1934: (122).

Leschenaultia grossa Brooks

HOST: LEPIDOPTERA

Arctiidae

Unidentified Arctiidae

Brooks, 1947: 172, 178, fig. 7 on pl. 14.

IMMATURES: Egg — Brooks, 1947: (descr., fig. 7 on pl. 14).

Leschenaultia halisidotae Brooks

HOST: LEPIDOPTERA

Arctiidae

Halisidota argentata Packard

Brooks, 1947: 172, 176, fig. 5 on pl. 14.

Halisidota caryae (Harris)

Raizenne, 1952: 22, Ont.; Brooks, 1947: 172, 176, fig. 5 on pl. 14, Ont., Que.

Halisidota harrisii Walsh

Brooks, 1947: 172, 176, fig. 5 on pl. 14.

Halisidota maculata (Harris)

Brooks, 1947: 172, 176, fig. 5 on pl. 14.

Halisidota tessellaris (J. E. Smith)

Raizenne, 1952: 24, Ont., Que. (as "*Leschenaultis*"); Brooks, 1947: 172, 176, fig. 5 on pl. 14.

IMMATURES: Egg — Brooks, 1947: (descr., fig. 5 on pl. 14).

Leschenaultia jurinoides, see *Leschenaultia leucophrys*

Leschenaultia leucophrys (Wiedemann)

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria icasia (Cramer)

Harrison and Stephens, 1966: 673, Costa Rica.

Estigmene acrea (Drury)

Patton, 1958: 39, Fla.

Euchaetias egle (Drury)

Patton, 1958: 39, Fla.

Lasiocampidae

Malacosoma disstria Hübner

Baird, 1938: 81, 137, 140, B.C. (as *Blepharipeza*); Balch and Simpson, 1935: 36, N.B. (as *Blepharipeza*).

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

Howard and Fiske, 1911: 93 (as *Blepharipeza*).

Sphingidae

Paonias excaecata (J. E. Smith)

Brooks, 1947: 172, 174, fig. 8 on pl. 14; Schaffner and Griswold, 1934: 21, 122 (as *Blepharipeza*); Aldrich, 1932: 2, N.H. (as *Blepharipeza* ex *P. "excoecata"*).

Sphinx chersis (Hübner)

Brooks, 1947: 172, 174, fig. 8 on pl. 14; Schaffner and Griswold, 1934: 18, 122 (as *Blepharipeza* ex *Hyloicus*); Tothill, 1913: 70, Ont. (as *Blepharipeza*).

Unidentified Sphingidae

Procter, 1946: 433, Maine (as *L. jurinoides* Townsend); Ballou, 1936: 142, Costa Rica (as *L. cilipes* Robineau-Desvoidy ex esfingido from *Annona cherimola* Miller); Ballou, 1936a: 48, Costa Rica (as *L. cilipes* ex esfingido from *Annona cherimola*).

HOST: RODENTIA (MAMMALIA)

Unidentified Rodentia

Mouse (mice) probably

Wolcott, 1951a: 481, P.R.; Wolcott, 1924: 223, P.R. (as *Blepharipeza*).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

IMMATURES: Egg — Brooks, 1947: (descr., fig. 8 on pl. 14).

BIOLOGY: Schaffner and Griswold, 1934: (122).

Leschenaultia spp.

HOST: LEPIDOPTERA

Arctiidae

Halisidota argentata Packard

Guppy, R., 1950: 4, B.C. (as *Rileymyia*).

Halisidota caryae (Harris)

Brooks, 1946: 185, Ont. (as "*Leschnaultia*").

Woolly bear(-s)

Duncan and Pickwell, 1939: 344, fig. 177, [Calif.] (as tachinid fly); Duncan, 1933: 240, fig. 123, [Calif.] (as tachinid fly).

Lasiocampidae

Malacosoma disstria Hübner

Tothill, 1923: 180, Canada (as *Blepharipeza*); Tothill, 1919: 12, N.B. (as *Blepharipeza*).

Malacosoma sp.

Guppy, R., 1950: 4 (as *Rileymyia*).

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Schaffner and Griswold, 1934: 85 (as *Blepharipeza*).

Unidentified Lepidoptera

Miscellaneous

Townsend, 1893c: 314, Jamaica (as *Blepharipeza* sp. ? ex moth allied to "*Euchaetes*," but with an *Orgyia*-like larva).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Third instar larva — Duncan and Pickwell, 1939: (fig. 177); Duncan, 1933: (fig. 123).

Pupa — Duncan and Pickwell, 1939: (fig. 177); Duncan, 1933: (fig. 123).

BIOLOGY: Guppy, R., 1950: (4).

"*Leschenaultia*" *halisidotae*, see *Leschenaultia halisidotae*

"*Leschnaultia*" sp., see *Leschenaultia* spp.

Leskia Robineau-Desvoidy (Dexiinae: Leskiini)

"*Leskia analis* Say"

HOST: LEPIDOPTERA

Pyralidae

Diaphania hyalinata (Linnaeus)

Wolcott, 1924: 221, P.R.

Leskia gilensis, see *Sipholeskia occidentalis*

Leskiella James (Dexiinae: Leskiini)

Leskiella brevirostris James

HOST: LEPIDOPTERA

Olethreutidae

Laspeyresia caryana (Fitch)

Phillips, A. M., 1957: 89, Fla. (ex hickory shuckworm).

Laspeyresia pomonella (Linnaeus)

James, M. T., 1947: 98, Ill. (ex *Carpocapsa*).

Unidentified Olethreutidae

Krombein, 1967: 69, Fla.

STAGE PARASITIZED: Larva.

Leskiella brevirostris James probably

HOST: LEPIDOPTERA

Olethreutidae

Grapholitha molesta (Busck)

*Vide James, M. T., 1947: 98, 103, Md. (Haeussler, 1930);
Haeussler, 1930: 367, Md. (as *Leskiomima tenera*
(Wiedemann) ex *Laspeyresia*).

STAGE PARASITIZED: Larva.

Leskiomima Brauer and Bergenstamm (Dexiinae: Leskiini)

Leskiomima tenera, see *Leskiomima brevirostris* probably or
Leskiomima tenera

Leskiomima tenera (Wiedemann)

HOST: LEPIDOPTERA

Olethreutidae

Eucosma sp.

Ciesla, Rauschenberger and Bell, 1968: 1130, S.C. (as
"Leskiomina").

Grapholitha molesta (Busck)

All records ex *Laspeyresia molesta*.

McConnell, 1932: 367-368, Md.; Stearns, 1928: 7, Md.;

Garman, P., 1918: 117, Md.

Laspeyresia pomonella (Linnaeus)

James, M. T., 1947: 103, Ill. (ex *Carpocapsa*).

Pyralidae

Acrobasis indigenella (Zeller)

Most records ex *Acrobasis nebulella* Riley.

Allen, 1929: 683, Miss. (ex *Mineola* "indiginella" *nebulella*,
probable host); Gill, 1917: 15, Fla.; Gill, 1917a: 21.

Acrobasis juglandis (LeBaron)

James, M. T., 1947: 103, Fla., Miss.

Desmia funeralis (Hübner)

James, M. T., 1947: 103, D.C.; Strauss, 1916: 9, fig. k on pl. 4, D.C.

Dioryctria abietella (Denis and Schiffermüller)

Ebel, 1965: 629, Fla. (as "*Leskiomina*").

Homoeosoma electellum (Hulst)

Satterthwait and Swain, 1946: 577-578, Mo.

Macrobotys pertextalis (Lederer)

Schaffner, 1959: 10, 51, [N.E. U.S.].

Tetralopha sp. near *asperatella* (Clemens)

Schaffner, 1959: 13, 51, [N.E. U.S.].

Unidentified Pyralidae

Coquillett, 1897: 18, 27, Va.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Satterthwait and Swain, 1946: (descr.); Greene, 1922: (descr., fig. 42 on pl. 9); Strauss, 1916: (fig. k on pl. 4).

BIOLOGY: Schaffner, 1959: (10, 13, 51); Satterthwait and Swain, 1946: (577-578).

Leskiomima sp.

HOST: LEPIDOPTERA

Pyralidae

Dioryctria reniculella (Grote)

Davault, 1946: 117, Que. (as "*Leskiomina*").

"*Leskiomina*" *tenera*, see *Leskiomima tenera*

"*Leskiomina*" sp., see *Leskiomima* sp.

Leskiopalpus depilis, see *Myobiopsis depilis*

Leskiopalpus flavipennis, see *Myobiopsis flavipennis*

Lespesia Robineau-Desvoidy (Goniinae: Eryciini)

Lespesia "*achaetoneura* (Williston)," see *Lespesia* spp.

Lespesia aletiae (Riley)

HOST: COLEOPTERA

Coccinellidae

Epilachna varivestis Mulsant

Beneway, 1963: 638 (ex *E. corrupta* Mulsant).

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Beneway, 1963: 637-638.

Estigmene acrea (Drury)

Beneway, 1963: 638; Patton, 1958: 31, Fla. (as *Achaetoneura*).

Estigmene sp.

Beneway, 1963: 638.

Halisidota harrisii Walsh

Beneway, 1963: 638; Schaffner and Griswold, 1934: 34-35, 116 (as *Achaetoneura*).

Halisidota maculata (Harris)

Essig, 1926: 582, Calif. (as *Frontina*); Coquillett, 1897: 15, 25, Calif. (as *Frontina*); Howard, 1897b: 41, D.C. (as *Frontina*).

Halisidota tessellaris (J. E. Smith)

Most records ex *Halisidota* "*tessellata*."

Schaffner and Griswold, 1934: 34, 116 (as *Achaetoneura* ex *H. tessellaris*); Webber, 1930: 4 (as *Achaetoneura* ex "*Halisidota*" *tessellaris*); Johnson, 1910: 781, N.J. (as *Frontina*); Coquillett, 1897: 15, N.Y. (as *Frontina*); Howard, 1897b: 41, D.C. (as *Frontina*).

Halisidota sp.

Beneway, 1963: 638.

Hyphantria cunea (Drury)

Beneway, 1963: 638; Fattig, 1949: 4, Ga. (as *Achaetoneura* "*aletia*"); Brimley, 1938: 363, N.C. (as *Achaetoneura*); Schaffner and Griswold, 1934: 37, 116 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*); Brimley, 1922: 23, N.C. (as *Frontina* ex fall-webworm).

Hyphantria sp.

Beneway, 1963: 638.

Seirarctia echo (J. E. Smith)

Beneway, 1963: 638.

Utetheisa ornatatrix bella (Linnaeus)

Beneway, 1963: 638 (ex *U. bella*); Patton, 1958: 31, Fla. (as *Achaetoneura* ex *bella* moth).

Unidentified Arctiidae

Webber, 1930: 4 (as *Achaetoneura*).

Brassolidae

Opsiphanes tamarindi Felder

Harrison, 1963: 282-283, Costa Rica (as *Achaetoneura*);
Harrison, 1963a: 92, Costa Rica (as *Achaetoneura*).

Ctenuchidae

Ceramidia butleri Möschler

Harrison, 1963: 282-283, Costa Rica (as *Achaetoneura*).

Syntomeida epilais (Walker)

Beneway, 1963: 637; Patton, 1958: 32, Fla. (as *Achaetoneura*).

Geometridae

Ennomos subsignarius (Hübner)

Davis, R., 1961: 248, Ga. (as *Achaetoneura*).

Hesperiidae

Autochton cellus (Boisduval and LeConte)

Clark, 1936: 47 (as *Achaetoneura* ex *Rhabdoides*).

Epargyreus clarus (Cramer)

All records ex *Epargyreus tityrus* (Fabricius).

Beneway, 1963: 638; Schaffner and Griswold, 1934: 15, 116 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*); Allen, 1926b: 189-191, pl. 9, Miss. (as *Achaetoneura*).

Urbanus proteus (Linnaeus)

Beneway, 1963: 638; Patton, 1958: 32, Fla. (as *Achaetoneura*).

Lasiocampidae

Malacosoma americanum (Fabricius)

Beneway, 1963: 638; Patton, 1958: 31, Fla. (as *Achaetoneura*); Dozier, 1920: 372, 378, Fla. (as *Frontina*).

Limacodidae

Sibine apicalis Dyar

Harrison, 1963: 282-283, Costa Rica (as *Achaetoneura*);
Harrison, 1963a: 94, Costa Rica (as *Achaetoneura* ex
"Sabine").

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Beneway, 1963: 638; Raizenne, 1952: 95, Ont. (as *Achaetoneura*); Dowden, 1935: 509 (as *Achaetoneura*); Schaffner and Griswold, 1934: 85, 116 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*); Webber and Schaffner, 1926: 12-13, Mass., New England, N.Y., Pa., R.I. (as *Frontina*); Britton, 1917: 110 (as *Frontina*); Johnson, 1910: 781, N.J. (as *Frontina* ex *Orgyia*); Titus and Pratt, 1904: 28 (as *Frontina*); Howard, 1898: 88, D.C. (as *Frontina* ex *Orgyia*); Coquillett, 1897: 15, 26, D.C. (as *Frontina* ex *Orgyia*); Howard, 1897a: 16, D.C. (as *Frontina* ex *Orgyia*); Howard, 1897b: 7, 41-42, 49, D.C. (as *Frontina* ex *Orgyia*).

Orgyia sp.

Beneway, 1963: 638 (ex *Orgyia*).

Porthetria dispar (Linnaeus)

Webber, 1930: 4 (as *Achaetoneura*).

Stilpnotia salicis (Linnaeus)

Webber, 1930: 4 (as *Achaetoneura*).

Tussock moth(-s)

Johnson, 1925: 199, Conn., Maine, Mass., R.I., Vt. (as *Frontina*); Thompson, 1910: 291 (as *Frontina*).

Megalopygidae

Megalopyge opercularis (J. E. Smith)

Beneway, 1963: 638; Patton, 1958: 31, Fla. (as *Achaetoneura*); Allen, 1926b: 188-191, pl. 9, Miss. (as *Achaetoneura*); Coquillett, 1897: 15, 25, Tex. (as *Frontina* ex *Lagoa*); Howard, 1897b: 41, D.C. (as *Frontina* ex *Lagoa*).

Megalopyge pyxidifera (J. E. Smith)

Patton, 1958: 31, Fla. (as *Achaetoneura*).

Megalopyge sp.

Beneway, 1963: 638.

Noctuidae

Alabama argillacea (Hübner)

Beneway, 1963: 638; Webber, 1930: 4 (as *Achaetoneura*); Allen, 1926b: 188-191, pl. 9, Miss. (as *Achaetoneura* ex

A. "argillicea"); Coquillett, 1897: 15, 23, Fla. (as *Frontina* ex *Aletia*); Howard, 1897b: 41, Ala., D.C., Ga., Miss., Tex. (as *Frontina* ex *Aletia*); *Brauer and Bergenstamm, 1895: 575, 581 (as *Tachina* ex *Aletia*, Riley, 1879); Riley, 1885: 101, 109, 377, Ala., Ga., Miss., Tex. (as *Tachina* ex *Aletia xylina* (Say)); Riley, 1885: 101, 109 (as *Tachina fraterna* Comstock ex *Aletia xylina*); Riley, 1880: 93-94 (as *Tachina* ex cotton worm); Comstock, J. H., 1879: 203-204, Ala. (as *Tachina* ex *Aletia*); Riley, 1879: 161-162 (as *Tachina* ex *Aletia*).

Heliothis zea (Boddie)

Most records ex *Heliothis obsoleta* (Fabricius).

Allen, 1926b: 188-191, pl. 9, Miss. (as *Achaetoneura*); Essig, 1926: 582 (as *Frontina*); Gowdey, 1923a: 54, Jamaica (as *Frontina "aletinae"* ex *Chloridea*); Quaintance and Brues, 1905: 123 (as *Frontina*); Riley, 1885: 377, Ala. (as *Tachina* ex *H. armigera* (Hübner)).

Heliothis sp.

Beneway, 1963: 638.

Mocis latipes (Guenée) probably

Patton, 1958: 32, Fla. (as *Achaetoneura* ex *M. repanda* (Fabricius)).

Plathypena scabra (Fabricius)

Fattig, 1949: 4 (as *Achaetoneura "aletia"*); Brimley, 1938: 363, N.C. (as *Achaetoneura*); Brimley, 1922: 23, N.C. (as *Frontina* ex green clover worm); Sherman, 1920: 298-299, N.C. (as *Frontina*).

Pseudaletia unipuncta (Haworth)

Burrell, 1967: 114, La. (as *Achaetoneura*); Beneway, 1963: 638; Breeland, 1958: 320, 323, 333, Tenn. (as *Achaetoneura*); Poos, 1928: 146, Va. (as *Achaetoneura* ex *Cirphis*); King, V., and Barber, 1921: 487, Mo. (as *Frontina* ex *Heliophila*, probable host).

Pseudoplusia includens (Walker)

Allen, 1926b: 188-191, pl. 9, Miss. (as *Achaetoneura* ex *Autographa oo* (Cramer)).

Spodoptera frugiperda (J. E. Smith)

All records ex *Laphygma frugiperda*.

Beneway, 1963: 638; Allen, 1926b: 189-191, pl. 9, Miss. (as *Achaetoneura*); Gowdey, 1926: 82, Jamaica (as *Frontina*); Gowdey, 1923a: 20, Jamaica (as *Frontina*); Gowdey, 1921: 4, Jamaica (as *Frontina*).

Spodoptera ornithogalli (Guenée)

Bottrell, 1969: 251, Okla. (ex *Prodenia*).

Trichoplusia ni (Hübner)

Beneway, 1963: 638.

Xanthopastis timais (Cramer)

Beneway, 1963: 638; Patton, 1958: 32, Fla. (as *Achaetoneura* ex "*Xanthopastes*").

Notodontidae

Cerura spp.

Coquillett, 1897: 15, 24, Calif. (as *Frontina*); Howard, 1897b: 41, D.C. (as *Frontina*).

Dasylophia anguina (J. E. Smith)

Johnson, 1910: 781, N.J. (as *Frontina*); Howard, 1897b: 41, D.C. (as *Frontina* ex "*Dasylopha*").

Datana ministra (Drury)

Beneway, 1963: 638; Patton, 1958: 32, Fla. (as *Achaetoneura*).

Heterocampa manteo (Doubleday)

Howard, 1897b: 41, D.C. (as *Frontina*).

Nymphalidae

Asterocampa sp.

Beneway, 1963: 638 (ex *Apatura*).

Nymphalis antiopa (Linnaeus)

Beneway, 1963: 638; Schaffner and Griswold, 1934: 11, 116 (as *Achaetoneura* ex *Hamadryas*); Webber, 1930: 4 (as *Achaetoneura* ex *Euvanessa*); Allen, 1926b: 188-191, pl. 9, Miss. (as *Achaetoneura* ex *Aglais*).

Polygonia interrogationis (Fabricius)

Beneway, 1963: 638.

Vanessa cardui (Linnaeus)

Beneway, 1963: 638.

Pieridae

Pieris protodice Boisduval and LeConte

Beneway, 1963: 638.

Pieris rapae (Linnaeus)

Beneway, 1963: 638.

Pyralidae

Evergestis rimosalis (Guenée)

Beneway, 1963: 638.

Olycella junctolineella (Hulst)

Mann, 1969: 14, 39; Hamlin, 1925: 10-11, Tex. (as *Frontina* ex *Olyca*).

Saturniidae

Hemileuca maia (Drury)

Webber, 1930: 4 (as *Achaetoneura*).

Sphingidae

Ceratomia catalpae (Boisduval)

Beneway, 1963: 638.

Pholus sp.

Webber, 1930: 4 (as *Achaetoneura*).

Unidentified Lepidoptera

Miscellaneous

Wolcott, 1951a: 479, P.R. (as *Achaetoneura* ex chrysalis on *Inga laurina* (Swartz) Willdenow); Essig, 1926: 582, U.S. (as *Frontina* ex many moths); Wolcott, 1924: 222, P.R. (as *Frontina* ex larva on *Inga laurina*).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

IMMATURES: Egg — Allen, 1926b: (descr., pl. 9).

First instar larva — Allen, 1926b: (descr., pl. 9).

Second instar larva — Allen, 1926b: (descr., pl. 9).

Third instar larva — Allen, 1926b: (descr.).

Pupa — Allen, 1926b: (descr.); Greene, 1922: (descr., fig. 30 on pl. 7).

BIOLOGY: Patton, 1958: (31); Clark, 1936: (47); Dowden, 1935: (509); Schaffner and Griswold, 1934: (116); Allen, 1926b: (188-191); Hamlin, 1925: (10-11); Thompson, 1910: (291); Howard, 1897b: (7, 41-42, 49); Riley, 1885: (101, 109, 377); Comstock, J. H., 1879: (203-204).

Lespesia aletiae (Riley) probably

HOST: LEPIDOPTERA

Ctenuchidae

Lymire edwardsii (Grote)

Genung, 1959: 40, 41, Fla. (as *Achaetoneura*).

STAGE PARASITIZED: Pupa.

Lespesia anonyma, see *Lespesia* spp.

Lespesia "archaetoneura," see *Lespesia* spp.

Lespesia archippivora (Riley)

HOST: HYMENOPTERA

Tenthredinidae

Pristiphora erichsonii (Hartig)

Beneway, 1963: 640.

HOST: LEPIDOPTERA

Arctiidae

Estigmene acrea (Drury)

Bryan, D. E., Jackson and Patana, 1968: 819-823 (lab.);
Beneway, 1963: 640; Butler, 1958: 562, Ariz. (as
Achaetoneura); Taylor, E. A., 1954: 526, Ariz. (as
Achaetoneura).

Estigmene sp.

Beneway, 1963: 640.

Euchaetias egle (Drury)

Webber, 1930: 4 (as *Achaetoneura*); Townsend, 1893: 467,
Ill. (as *Prospheysa promiscua* (Townsend) ex
"Euchaetes").

Halisidota caryae (Harris)

Webber, 1930: 4 (as *Achaetoneura*).

Tyria jacobaeae (Linnaeus)

Hawkes, 1968: 500, Calif.

Citheroniidae

Citheronia regalis (Fabricius)

Riley, 1871: 151 (as *Tachina*).

Danaidae

Danaus gilippus berenice (Cramer)

Beneway, 1963: 640 (ex *D. berenice*).

Danaus plexippus plexippus (Linnaeus)

Weaver, 1969: 71, W. Va. (ex *D. plexippus*); Anon., 1968: 85, Hawaii (ex *D. plexippus*); Hale, 1967: 180, Hawaii (ex *D. plexippus*); Brewer and Thomas, 1966: 235, Mass. (ex *D. plexippus*); Mitchell, 1966: 129, Hawaii (as *Achaetoneura* ex *D. plexippus*); Mitchell, 1965: 525, Hawaii (as *Achaetoneura* ex *D. plexippus*); Beneway, 1963: 640 (ex *D. plexippus*); Urquhart, 1960: 207-208, Ont. (as *Achaetoneura* ex *D. plexippus*); Zimmerman, 1958: 473, Hawaii (as *Frontina* ex *D. plexippus*); Teale, 1948: 356-359, 4 unnumbered figs. on p. 358, E. U.S. (as *Achaetoneura* ex monarch); Teale, 1946: 25, New England (as *Achaetoneura* ex monarch butterfly); Schaffner and Griswold, 1934: 8, 116 (as *Achaetoneura* ex *D. menippe* (Hübner)); Aldrich, 1932: 1, Mass. (as *Achaetoneura* ex *D. archippus* (Fabricius)); Williams, 1931: 292, Hawaii (as *Frontina* ex *D. archippus*); Webber, 1930: 4 (as *Achaetoneura* ex *Anosia plexippus*); Swezey, 1929: 211, Hawaii (as *Frontina* ex *D. archippus*); Essig, 1926: 582, Colo., Idaho, Wash. (as *Frontina* ex *D. menippe*); Webber and Schaffner, 1926: 17, 23, New England (as *Frontina* ex *Anosia plexippus*); Johnson, 1925: 200, Conn., Maine, Mass., N.H., R.I. (as *Frontina* ex monarch butterfly); Johannsen, 1910: 38, Maine (as *Frontina* ex *Anosia plexippus*); Swezey, 1907: 48, Hawaii (as *Frontina* ex *Anosia plexippus*); Coquillett, 1897: 15, 24, Pa., Wash. (as *Frontina* ex "*Danais*" *archippus*); *Brauer and Bergenstamm, 1895: 560, 582, N. Amer. (as (*Masicera*) ex *Anosia plexippus*, Williston, 1889); Townsend, 1893: 467, Ill. (as *Masicera* ex "*Danais*" *archippus*); Williston, 1889: 1914, 1923 (as *Masicera* ex *Anosia plexippus*); Riley, 1873: 149 (as *Tachina* ex "*Danais*" *archippus*); Riley, 1871: 116, 149-150, Mo., Pa. (as *Tachina* ex "*Danais*" *archippus*).

Geometridae

Anacamptodes fragilaria (Grossbeck)

Van Zwaluwenburg, 1946: 13, Hawaii (as *Frontina* ex *Anacamptodes* [sp.]).

Scotorythra paludicola (Butler)

Zimmerman, 1958: 125, Hawaii (as *Frontina*); Swezey, 1926a: 360, Hawaii (as *Frontina*).

Scotorythra rara (Butler)

Swezey, 1907: 48, Hawaii (as *Frontina*).

Lasiocampidae

Malacosoma americanum (Fabricius)

Stehr and Cook, 1968: 258, 299-300, Tex.; Beneway, 1963: 640; Bess, 1936: 605 (as *Achaetoneura*); Schaffner and Griswold, 1934: 88, 116 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*); West, 1928: 815, N.Y. (as *Frontina*); Townsend, 1916c: 75-76, N.C. (as *Ypophaemyia malacosomae* Townsend).

Malacosoma californicum (Packard)

Stehr and Cook, 1968: 259-261, 267, 299-300, Calif., Colo.

Malacosoma californicum ambisimile (Dyar)

Stehr and Cook, 1968: 271, 299-300, Calif.

Malacosoma californicum californicum (Packard)

Stehr and Cook, 1968: 271, 299-300, Calif.

Malacosoma californicum fragile (Stretch)

Stehr and Cook, 1968: 278-279, 299, 301, Ariz., Calif., Nev., Utah.

Malacosoma californicum pluviale (Dyar)

Stehr and Cook, 1968: 275, 299-300, Mont., Wash.; Beneway, 1963: 640 (ex *M. pluvialis*); Essig, 1926: 582, Calif. (as *Frontina* ex *M. pluvialis*); Coquillett, 1897: 15, 24, Wash. (as *Frontina* ex *Clisiocampa pluvialis*).

Malacosoma californicum recenseo Dyar

Stehr and Cook, 1968: 273, 299-300, Calif.

Malacosoma californicum ssp. (intermediate between *M. californicum ambisimile* (Dyar) and *M. californicum californicum* (Packard))

Stehr and Cook, 1968: 272-273, 299-300, Calif.

Malacosoma constrictum (H. Edwards)

Beneway, 1963: 640; Essig, 1926: 582, Colo., Idaho, Wash. (as *Frontina*); Coquillett, 1897: 15, 24, Calif. (as *Frontina* ex *Clisiocampa*).

Malacosoma disstria Hübner

Beneway, 1963: 640; Sippell, 1961: 436, Ont. (as *Achaetoneura*); *Brauer and Bergenstamm, 1895: 542, 588, Maine (as *Achaetoneura promiscua* ex *Clisiocampa sylvatica* (Harris), Townsend, 1891a); Townsend, 1891a: 85, Maine (as *Phorocera promiscua* ex *Clisiocampa sylvatica*).

Malacosoma incurvum discoloratum (Neumoegen)

Stehr and Cook, 1968: 280, 299, 301, Nev.

Malacosoma incurvum incurvum (H. Edwards)

Stehr and Cook, 1968: 279-280, 299, 301, Ariz.

Malacosoma spp.

Beneway, 1963: 640; Gibson, W. W., and Carrillo S., 1959: 180, Mexico (D.F.) (as *Achaetoneura* ex "*Malocosoma*");
 *Brauer and Bergenstamm, 1895: 560, 588, N. Amer. (as (*Masicera*) ex *Clisiocampa*, Townsend, 1893); Townsend, 1893: 467, Ill. (as *Masicera* ex *Clisiocampa*).

Tent caterpillar(-s)

Brimley, 1922: 26, N.C. (as *Ypophemyia malacosomae*).

Lycaenidae

Lampides boeticus (Linnaeus)

Zimmerman, 1958: 490, Hawaii (as *Frontina*); Williams, 1931: 292, Hawaii (as *Frontina* ex *Polyommatus*);
 Swezey, 1922: 8-9, Hawaii (as *Frontina* ex *Lycaena*).

Noctuidae

Agrotis crinigera (Butler)

Zimmerman, 1958: 237, Hawaii (as *Frontina*); Swezey, 1907: 48, Hawaii (as *Frontina*).

Agrotis dislocata (Walker)

Zimmerman, 1958: 239, Hawaii (as *Frontina*); Swezey, 1907: 48, Hawaii (as *Frontina*).

Agrotis ipsilon (Hufnagel)

All records ex *Agrotis ypsilon*.

Beneway, 1963: 640; *Crumb, 1929: 40, 59 (as *Frontina*, Coquillett, 1897); Essig, 1926: 582, Calif. (as *Frontina*); Coquillett, 1897: 15, 23 (as *Frontina*).

Alypia octomaculata (Fabricius)

Schaffner and Griswold, 1934: 41, 116 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*).

Anomis hawaiiensis (Butler)

Zimmerman, 1958: 381, Hawaii (as *Frontina*).

Anomis noctivolans (Butler)

Zimmerman, 1958: 385, Hawaii (as *Frontina*).

Autographa californica (Speyer)

Seidel, 1954: 186, Wash. (as "*Achaetoneura*").

Elydna nonagrica (Walker)

Fullaway, 1914: 8, Hawaii (as *Frontina* ex *Caradrina reculsa* Hampson).

Euxoa vestigialis (Rottenburg)

Beneway, 1963: 640.

Feltia sp. near *subgothica* (Haworth)

Riley, 1871: 151 (as *Tachina* ex *Agrotis*).

Feltia subterranea (Fabricius)

Beneway, 1963: 640; Wolcott, 1951a: 479, P.R. (as *Achaetoneura*).

Heliothis hawaiiensis (Quaintance and Brues)

Zimmerman, 1958: 211, Hawaii (as *Frontina*).

Heliothis zea (Boddie)

Bottrell, Young, Price and Adams, 1968: 1054, Okla.; Bryan, D. E., Jackson and Patana, 1968: 819-823 (lab.); Bosch and Hagen, 1966: 25, Calif. (as *Achaetoneura*); Zimmerman, 1958: 214, Hawaii (as *Frontina*); Bibby, 1942: 943, Tex. (as "*Achaetonura*" ex *H. armigera* (Hübner)); Swezey, 1937: 359, Hawaii (as *Frontina* ex *Chloridea obsoleta* (Fabricius)); Swezey, 1923: 184-185, Hawaii (as *Frontina* ex *H. obsoleta*); Fullaway, 1914: 13, Hawaii (as *Frontina* ex *H. obsoleta*).

Heliothis spp. (including *H. hawaiiensis* (Quaintance and Brues) and/or *H. zea* (Boddie))

Zimmerman and Fletcher, 1956: 173, Hawaii (as *Frontina*).

Heliothis spp.

Bottrell, Young, Price and Adams, 1968: 1054, Okla.; Butler, 1958: 562, Ariz. (as *Achaetoneura*).

Peridroma coniotis (Hampson)

Look, 1948: 222, Hawaii (as *Frontina* ex *Agrotis*).

Peridroma coniotis coniotis (Hampson)

Zimmerman, 1958: 283, Hawaii (as *Frontina*).

Peridroma saucia (Hübner)

Swezey, 1935a: 93, Hawaii (as *Frontina* ex *Lycophotia margaritosa* (Haworth)).

Polydesma umbricola Boisduval

Kamran, 1968: 1011, Hawaii (as *Achaetoneura*).

Pseudaletia unipuncta (Haworth)

Breeland, 1958: 320, 323, 334, Nebr. (as *Achaetoneura*); Zimmerman, 1958: 305, Hawaii (as *Frontina*); Swezey, 1935a: 93, Hawaii (as *Frontina* ex *Cirphis*); Pemberton, 1923: 258, Hawaii (as *Frontina* ex *Cirphis*); Swezey, 1907: 48, Hawaii (as *Frontina* ex *Leucania*).

Scotogramma trifolii (Rottenburg)

Beneway, 1963: 640.

Spodoptera exempta (Walker)

All records ex *Laphygma exempta*.

Bianchi, 1958: 319, Hawaii (as *Achaetoneura*); Bianchi, 1949a: 345, Hawaii (as *Frontina*); Pemberton, 1948b: 185, 200, Hawaii (as *Frontina*).

Spodoptera exigua (Hübner)

Bryan, D. E., Jackson and Patana, 1969: 765-767, Ariz. (lab.); Bryan, D. E., Jackson and Stoner, 1969: 1, 4-5, 12, Ariz. (lab.); Bryan, D. E., Jackson and Patana, 1968: 819-823, Ariz. (lab.); Bosch and Hagen, 1966: 24, Calif. (as *Achaetoneura*); Beneway, 1963: 640 (ex *Laphygma*); Butler, 1958: 562, Ariz. (as *Achaetoneura* ex *Laphygma*); Zimmerman, 1958: 340, Hawaii (as *Frontina*); Swezey, 1935a: 93, Hawaii (as *Frontina*); Luginbill, 1928: 82, Idaho (as *Frontina* ex *Laphygma flavimaculata* Harvey); Essig, 1926: 582, Calif. (as *Frontina* ex *Laphygma*); Swezey, 1907: 48, Hawaii (as *Frontina*); Chittenden, 1902: 45, Calif. (as *Frontina* ex *Laphygma*); Coquillett, 1897: 15, 25, Calif. (as *Frontina* ex *Laphygma flavimaculata*).

Spodoptera frugiperda (J. E. Smith)

Most records ex *Laphygma frugiperda*.

Scaramuzza and Barry, 1960: 997, Cuba (as *Achaetoneura*); Butler, 1958: 562, Ariz. (as *Achaetoneura*); Painter, 1955: 39, 41, Guatemala (as *Achaetoneura*); Vickery, 1929: 1, 16, 20-21, 45, Tex. (as *Frontina*); Luginbill, 1928: 82, Tex. (as *Frontina*); Vickery, 1925: 140, Tex. (as *Frontina*); Wolcott, 1924: 222, P.R. (as *Frontina*); Jones, T.H., and Wolcott, 1922: 47, P.R. (as *Frontina*); Jones, T. H., 1913: 235, P.R. (as *Frontina*); Van Dine, 1913b: 202, P.R. (as *Frontina*); Riley, 1871: 116, 150-151 (as *Tachina* ex *Prodenia autumnalis* (Riley)).

Spodoptera mauritia (Boisduval)

*Vide pers. comm. Todd, 1970: [Hawaii] (Clagg, 1962); Einmo, 1963: 196, Hawaii (as *Achaetoneura*); Clagg, 1962: 107-108, Hawaii (as *Achaetoneura* ex *S. mauritia acronyctoides* (Guenée)); Beardsley, 1955: 386, Hawaii (as *Achaetoneura*); Swezey, 1935a: 93, Hawaii (as *Frontina*); Swezey, 1930: 280, Hawaii (as *Frontina*); Swezey, 1907: 48, Hawaii (as *Frontina*).

Spodoptera ornithogalli (Guenée)

All records ex *Prodenia ornithogalli*.

Bottrell, 1969: 251, Okla.; Butler, 1958: 562, Ariz. (as *Achaetoneura*).

Spodoptera praefica (Grote)

Beneway, 1963: 640 (ex *Prodenia*).

Spodoptera spp.

Beneway, 1963: 640 (ex *Prodenia*).

Trichoplusia ni (Hübner)

Brubaker, 1968: 307, Ariz.; Bryan, D. E., Jackson and Patana, 1968: 819-823 (lab.); Butler, 1958: 562, Ariz. (as *Achaetoneura*).

Armyworms (including *Pseudaletia unipuncta* (Haworth) and/or *Spodoptera mauritia* (Boisduval))

All records ex armyworms (*Cirphis unipuncta* and/or *Spodoptera mauritia*).

Swezey, 1931c: 326, Hawaii (as *Frontina*); Swezey, 1928: 673, Hawaii (as *Frontina*).

Armyworm(-s)

Bianchi, 1940: 383, Hawaii (as *Frontina*); Holdaway and Suehiro, 1940: 37, Hawaii (as *Frontina*); Bryan, 1934: 415, Hawaii (as *Frontina*); Swezey, 1931b: 427, Hawaii (as *Frontina*); Swezey, 1927a: 503, Hawaii (as *Frontina*); Swezey, 1927b: 217, Hawaii (as *Frontina*); Swezey, 1925: 372, Hawaii (as *Frontina*); Swezey, 1923a: 303, Hawaii (as *Frontina*); Swezey, 1909: 26, Hawaii (as *Frontina*); Swezey, 1908b: 16-17, Hawaii (as *Frontina*).

Cutworms (including *Agrotis* spp. and/or *Leucania* spp.)

Swezey, 1908b: 16-17, Hawaii (as *Frontina*).

Cutworm(-s)

Bianchi, 1940: 383, Hawaii (as *Frontina*); Illingworth, 1923: 277, Hawaii (as *Frontina*); Fullaway, 1914: 8, Hawaii (as *Frontina*); Swezey, 1909: 26, Hawaii (as *Frontina*); Lintner, 1893: 238, N.Y. (as "*Masicora*").

Noctuid spp. (including *Mamestra configurata* Walker and/or *Peridroma saucia* (Hübner))

*Vide pers. comm. Handford, 1970: [B.C.] (Handford, 1962); Anon., 1962: 121, B.C. (as *Achaetoneura*); Handford, 1962: 19, B.C. (as *Achaetoneura*).

Noctuidae and/or Pyralidae

Noctuid and/or pyralid spp. (including *Scotogramma trifolii* (Rottenburg) and/or *Loxostege sticticalis* (Linnaeus))

Anon., 1956d: 1044, Idaho (as *Achaetoneura* "*achippivora*" ex beet webworm and/or clover cutworm).

Notodontidae

Schizura concinna (J. E. Smith)

Beneway, 1963: 640.

Nymphalidae

Anaea glycerium (Doubleday)

Riley, 1873: 149 (as *Tachina* ex *Paphia* [sp.]).

Nymphalis antiopa (Linnaeus)

Beneway, 1963: 640; Schaffner and Griswold, 1934: 11, 116 (as *Achaetoneura* ex *Hamadryas*); Webber, 1930: 4 (as *Achaetoneura* ex *Euvanessa*); Luginbill, 1928: 82, Idaho (as *Frontina* ex *Vanessa*); Johnson, 1925: 200, Conn., Maine, Mass., N.H., R.I. (as *Frontina* ex mourning-cloak).

Nymphalis milberti (Godart)

Schaffner and Griswold, 1934: 11, 116 (as *Achaetoneura* ex *Hamadryas*); Webber, 1930: 4 (as *Achaetoneura* ex *Aglais*).

Vanessa atalanta (Linnaeus)

Beneway, 1963: 640; Schaffner and Griswold, 1934: 12, 116 (as *Achaetoneura* ex *Cynthia*); Webber, 1930: 4 (as *Achaetoneura*); Webber and Schaffner, 1926: 17, New England (as *Frontina*).

Vanessa cardui (Linnaeus)

Beneway, 1963: 640; Butler, 1958: 562, Ariz. (as *Achaetoneura*); Zimmerman, 1958: 457, Hawaii (as *Frontina*); Swezey, 1947: 5, Hawaii (as *Frontina*); Swezey, 1935a: 94, Hawaii (as *Frontina*); Schaffner and Griswold, 1934: 13, 116 (as *Achaetoneura* ex *Cynthia*); Luginbill, 1928: 82, Idaho (as *Frontina* ex *Pyrameis*); Essig, 1926: 582, Calif. (as *Frontina*); Swezey, 1907: 48-49, Hawaii (as *Frontina*); Coquillett, 1897: 15, 27, Calif. (as *Frontina* ex *Pyrameis*); *Brauer and Bergenstamm, 1895: 542, 609 (as *Achaetoneura websteri* (Townsend), Townsend, 1891); Coquillett, 1894: 30, [Calif.] (as *Masicera* ex *Pyrameis*); *vide Townsend, 1892b: 259 (as *Meigenia websteri* ex *Pyrameis*, Townsend, 1891); Townsend, 1891: 207, Ind. (as *Meigenia websteri* ex chrysalis); Riley, 1871: 151 (as *Tachina* ex *Cynthia*).

Vanessa carye Hübner

Beneway, 1963: 640 (ex *V. "caryae"*); Essig, 1926: 582, Calif. (as *Frontina*); Coquillett, 1897: 15, 27, Calif. (as *Frontina* ex *Pyrameis*); Coquillett, 1894: 30, Calif. (as *Masicera* ex *Pyrameis* "caryae").

Papilionidae

Papilio spp.

Beneway, 1963: 640; *Brauer and Bergenstamm, 1895: 560, 602, N. Amer. (as (*Masicera*), Williston, 1889); Williston, 1889: 1914, 1923, Colo. (as *Masicera*).

Pieridae

Colias eurytheme Boisduval

Most records ex *Eurymus eurytheme*.

Butler, 1958: 562, Ariz. (as *Achaetoneura* ex *C. philodice eurytheme*); Essig, 1926: 582, Calif., Utah (as *Frontina*); *Essig, 1915: 460 (as *Frontina*, Wildermuth, 1914); Wildermuth, 1914: 24, Calif., Utah (as *Frontina*).

Pieris protodice Boisduval and LeConte

Beneway, 1963: 640.

Pieris rapae (Linnaeus)

Anon., 1968: 85, Hawaii; Miyahira, 1967a: 1048, Hawaii; Beneway, 1963: 640; Zimmerman, 1958: 450, Hawaii (as *Frontina*); Holdaway and Lucas, 1941: 41-42, Hawaii (as *Frontina*); Holdaway and Suehiro, 1940: 37, Hawaii (as *Frontina* ex *Pontia*); Pemberton and Williams, 1938: 222, Hawaii (as *Frontina*); Schaffner and Griswold, 1934: 7-8, 116 (as *Achaetoneura* ex *Ascia*); Williams, 1931: 292, Hawaii (as *Frontina* ex *Pontia*); Webber 1930: 4 (as *Achaetoneura* ex *Pontia*); Essig, 1926: 582, Calif. (as *Frontina*); Chittenden, 1916: 9 (as *Frontina* ex *Pontia*); Swezey, 1907: 48-49, Hawaii probably (as *Frontina*).

Pieris sp.

Beneway, 1963: 640.

Pyralidae

Hedylepta accepta (Butler)

All records ex *Omiodes accepta*.

Swezey, 1943: 280, Hawaii (as *Frontina*); Bianchi, 1940: 384, Hawaii (as *Frontina*); Van Dine, 1911: 43, Hawaii (as *Frontina*); Swezey, 1907: 48, Hawaii (as *Frontina*).

Hedylepta blackburni (Butler)

All records ex *Omiodes blackburni*.

Bianchi, 1940: 384, Hawaii (as *Frontina*); Williams, 1931: 148, 292, Hawaii (as *Frontina*); Swezey, 1907: 48, Hawaii (as *Frontina*).

Loxostege commixtalis (Walker)

Hoerner, 1933: 12 (as *Achaetoneura*).

Loxostege similalis (Guenée)

Butler, 1958: 562, Ariz. (as *Achaetoneura*).

Loxostege sticticalis (Linnaeus)

Beneway, 1963: 640; Knowlton, Janes and Thomas, 1933: 156, Utah (as *Achaetoneura* ex sugar-beet webworm);

Hawley, 1925: 12, Utah (as *Frontina* "archippiva").

Pyralidae and/or Noctuidae,
see Noctuidae and/or Pyralidae

Yponomeutidae

Mapsidius iridescens Walsingham

Swezey, 1943: 283, Hawaii (as *Frontina*).

Unidentified Lepidoptera

Cabbage worm(-s)

Swezey, 1935: 26, Hawaii (as *Frontina*).

Miscellaneous

Swezey, 1931a: 495, Hawaii (as *Frontina* ex caterpillars feeding on *Acacia koa* A. Gray).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera), adult (Lepidoptera [Weaver, 1969: 71]).

IMMATURES: Third instar larva — Teale, 1948: (unnumbered fig. on p. 358); Riley, 1871: (descr.).

Pupa — Teale, 1948: (unnumbered fig. on p. 358); Williams, 1931: (descr.); Greene, 1922: (descr., fig. 30 on pl. 7).

BIOLOGY: Bryan, D. E., Jackson and Patana, 1969: (765-767); Bryan, D. E., Jackson and Stoner, 1969: (1, 4-5, 12); Bryan, D. E., Jackson and Patana, 1968: (819-823); Kamran, 1968: (1011); Brewer and Thomas, 1966: (235); Einmo, 1963: (196); Pemberton, 1948b: (185, 200); Teale, 1948: (356-359); Holdaway and Lucas, 1941: (41-42); Swezey, 1937: (359); Williams, 1931: (148, 292); Hawley, 1925: (12); Pemberton, 1923: (258); Johannsen, 1910: (38); Riley, 1873: (149); Riley, 1871: (116, 149-150).

Lespesia archippivora (Riley) probably

HOST: LEPIDOPTERA

Noctuidae

Spodoptera frugiperda (J. E. Smith)

Patton, 1958: 32, Fla. (as *Achaetoneura* ex *Laphygma*).

Nymphalidae

Vanessa cardui (Linnaeus)

Munson, 1966: 979, Mo.

Sphingidae

Sphinx sp.

Brauer and Bergenstamm, 1895: 566, 606, N. Amer. (as
Parafrontina (? *apicalis*) Brauer and Bergenstamm).

STAGE PARASITIZED: Larva.

Lespesia callosamiae Beneway

HOST: LEPIDOPTERA

Saturniidae

Callosamia promethea (Drury)

Beneway, 1963: 642-643, Conn., N.J., N.Y., Ohio (ex
Hyalophora).

Lespesia ciliata (Macquart)

HOST: LEPIDOPTERA

Bombycidae

Bombyx sp.

Robineau-Desvoidy, 1863: 569.

Lasiocampidae

Malacosoma americanum (Fabricius)

Bess, 1936: 605 (as *Achaetoneura samiae* Webber); Schaffner
and Griswold, 1934: 88, 117 (as *Achaetoneura samiae*);
Webber, 1930: 4 (as *Achaetoneura samiae*).

Malacosoma californicum (Packard)

Stehr and Cook, 1968: 264, 299-300, Ariz., N. Mex.

Malacosoma californicum lutescens (Neumoegen and Dyar)

Stehr and Cook, 1968: 275, 299, 301, Alta.

Malacosoma incurvum incurvum (H. Edwards)

Stehr and Cook, 1968: 280, 299, 301, Ariz.

Pyralidae

Loxostege sticticalis (Linnaeus)

Strickland, 1946: 172, Alta. (as *Achaetoneura samiae*).

Saturniidae

Hyalophora gloveri (Strecker)

Beneway, 1963: 645.

Hyalophora nokomis Brodie

Beneway, 1963: 645 (ex *H. columbia nokomis*).

Hyalophora sp.

Beneway, 1963: 645.

Platysamia cecropia (Linnaeus)

Beneway, 1963: 645; Raizenne, 1952: 14, Ont. (as *Achaetoneura samiae*); Procter, 1946: 434, Maine (as *Achaetoneura samiae* ex *Samia*); Breland, 1940: 261, N.Y. (as *Achaetoneura samiae* ex *cecropia* moth); Schaffner and Griswold, 1934: 26-27, 117 (as *Achaetoneura samiae*); Webber, 1930: 4, 17, 31, fig. 14, Maine, Mass., N.H., N.Y., R.I. (as *Achaetoneura samiae* ex *Samia*).

Platysamia euryalus (Boisduval)

Beneway, 1963: 645; Webber, 1930: 17, Calif. (as *Achaetoneura samiae* ex *Samia rubra* Behr).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Beneway, 1963: (descr.); Webber, 1930: (descr., fig. 14).

BIOLOGY: Schaffner and Griswold, 1934: (117); Webber, 1930: (4, 17, 31).

Lespesia cuculliae (Webber)

HOST: LEPIDOPTERA

Noctuidae

Cucullia spp.

Beneway, 1963: 647; Webber, 1930: 4, 19, Va. (as *Achaetoneura*).

Notodontidae

Dasylophia anguina (J. E. Smith)

Beneway, 1963: 647; Schaffner and Griswold, 1934: 78-79, 116, N.J., N.Y. (as *Achaetoneura*).

Datana angusii Grote and Robinson

Beneway, 1963: 647.

IMMATURES: Pupa — Webber, 1930: (descr.).

BIOLOGY: Schaffner and Griswold, 1934: (78-79, 116).

Lespesia cuculliae (Webber) probably

HOST: LEPIDOPTERA

Notodontidae

Dasylophia anguina (J. E. Smith)

Vide Webber, 1930: 4, 19, Mass., N.Y. (as *Achaetoneura*, Coquillett, 1897); Coquillett, 1897: 15, 24, Mass. (as *Frontina aletiae* (Riley) or *Frontina frenchii* (Williston) ex "*Dasylopha*").

STAGE PARASITIZED: Larva.

Lespesia sp. near *cuculliae* (Webber)

HOST: LEPIDOPTERA

Arctiidae

Estigmene acrea (Drury)

Patton, 1958: 32, Fla. (as *Achaetoneura*).

Lespesia datanarum (Townsend)

HOST: LEPIDOPTERA

Citheroniidae

Anisota rubicunda (Fabricius)

Beneway, 1963: 649; Schaffner and Griswold, 1934: 30-31, 116 (as *Achaetoneura anisotae* Webber); Webber, 1930: 4 (as *Achaetoneura anisotae*).

Anisota senatoria J. E. Smith

Beneway, 1963: 649; Raizenne, 1952: 17, Ont. (as *Achaetoneura anisotae*); Schaffner and Griswold, 1934: 29-30, 116 (as *Achaetoneura anisotae*); Webber, 1930: 4, 14-15, Conn., N.J., N.Y., R.I. (as *Achaetoneura anisotae*).

Anisota virginiensis (Drury)

Beneway, 1963: 649; Raizenne, 1952: 18, Ont. (as *Achaetoneura anisotae*).

Anisota sp.

Beneway, 1963: 649.

Notodontidae

Datana integerrima Grote and Robinson

Beneway, 1963: 649.

Datana ministra (Drury)

Beneway, 1963: 649.

Datana spp.

*Beneway, 1963: 649, N.Y. (Townsend, 1892a); *Brauer and Bergenstamm, 1895: 560, 590, N. Amer. (as (*Masicera*), Townsend, 1892a); Townsend, 1892a: 287, N.Y. (as *Masicera*).

Saturniidae

Antheraea polyphemus (Cramer)

Leech and Farris, 1959: 22, B.C. (as *Achaetoneura*).

STAGE PARASITIZED: Pupa.

IMMATURES: Pupa — Webber, 1930: (descr.).

BIOLOGY: Schaffner and Griswold, 1934: (116).

Lespesia dimmocki (Webber)

Most records as *Achaetoneura dimmocki*.

HOST: LEPIDOPTERA

Noctuidae

Simyra henrici (Grote)

Beneway, 1963: 651 (as *Lespesia*).

Saturniidae

Automeris io (Fabricius)

Beneway, 1963: 651, Mass. (as *Lespesia*); Aldrich, 1932: 3, Mass.; Webber, 1930: 4, 20, Mass.

Unidentified Lepidoptera

Miscellaneous

Aldrich, 1932: 3, Mass. (ex larva on *Rhus copallina* Linnaeus).

STAGE PARASITIZED: Larva.

Lespesia dubia (Williston)

HOST: LEPIDOPTERA

Nymphalidae

Nymphalis antiopa (Linnaeus)

*Brauer and Bergenstamm, 1895: 560, 609, N. Amer. (as *Masicera*) (?*Phorocera*) ex *Vanessa*, Williston, 1889);
Williston, 1889: 1914, 1924 (as *Masicera* ex *Eu Vanessa*).

Lespesia euchaetiae (Webber)

Most records as *Achaetoneura euchaetiae*.

HOST: LEPIDOPTERA

Arctiidae

Euchaetias egle (Drury)

Beneway, 1963: 652-653, fig. 34A-B, Mass., N.Y. (as *Lespesia*); Schaffner and Griswold, 1934: 39, 116;
Webber, 1930: 4, 12-13, 31, fig. 13, Mass., N.J., N.Y., Pa.

Halisidota tessellaris (J. E. Smith)

Webber, 1930: 4.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Beneway, 1963: (fig. 34A-B); Webber, 1930: (descr., fig. 13).

BIOLOGY: Webber, 1930: (4, 12-13, 31).

Lespesia flavifrons Beneway

HOST: LEPIDOPTERA

Sphingidae

Paonias myops (J. E. Smith)

Beneway, 1963: 656-657, Mass., Pa.

Smerinthus cerisyi Kirby

Beneway, 1963: 657.

Smerinthus jamaicensis (Drury)

Beneway, 1963: 656-657, Mass.

Smerinthus sp.

Beneway, 1963: 657.

Lespesia frenchii (Williston)

HOST: HYMENOPTERA

Apidae

Bombus sp.

Coquillett, 1897: 16, 22, Canada (as *Frontina*).

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Schaffner and Griswold, 1934: 36, 117 (as *Achaetoneura*);
Webber, 1930: 4 (as *Achaetoneura*).

Euchaetias egle (Drury)

Webber and Schaffner, 1926: 20, New England (as *Frontina*).

Halisidota caryae (Harris)

Schaffner and Griswold, 1934: 33, 117 (as *Achaetoneura*).

Halisidota tessellaris (J. E. Smith)

Schaffner and Griswold, 1934: 34, 117 (as *Achaetoneura*).

Hyphantria cunea (Drury)

Schaffner and Griswold, 1934: 37, 117 (as *Achaetoneura*);
Webber, 1930: 4 (as *Achaetoneura*).

Bombycidae

Unidentified Bombycidae

Howard, 1897b: 42, D.C. (as *Frontina*).

Citheroniidae

Anisota rubicunda (Fabricius)

Webber and Schaffner, 1926: 26, New England (as *Frontina*);
Howard and Chittenden, 1909: 5, D.C. (as *Frontina*);
Felt, 1908: 16, N.Y. (as *Frontina*); Coquillett, 1897: 16,
25, Md. (as *Frontina* ex *Dryocampa*).

Anisota senatoria J. E. Smith

Webber and Schaffner, 1926: 25, New England (as *Frontina*);
Johnson, 1910: 780, N.J. (as *Frontina*); Coquillett,
1897: 15, 23, Md. (as *Frontina*).

Anisota virginiensis (Drury)

Coquillett, 1897: 16, 24 (as *Frontina*).

Citheronia regalis (Fabricius)

Coquillett, 1897: 16, 24 (as *Frontina*).

Eacles imperialis (Drury)

Fattig, 1949: 4, Ga. (as *Achaetoneura* ex *Basilona*).

Geometridae

Unidentified Geometridae

Schaffner and Griswold, 1934: 102, 117 (as *Achaetoneura*).

Lasiocampidae

Malacosoma americanum (Fabricius)

Stehr and Cook, 1968: 299-300, Minn.; Kulman, 1965: 68-69, W. Va.; Beneway, 1963: 658, fig. 33; Raizenne, 1952: 101, Ont. (as *Achaetoneura*); *Procter, 1946: 434, Maine (as *Achaetoneura* ex "*Malacosomoa*," Procter, 1938); Procter, 1938: 375, Maine (as *Achaetoneura*); Bess, 1936: 605 (as *Achaetoneura*); Britton, 1935a: 77, (as *Frontina*); Schaffner and Griswold, 1934: 88, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*); Quaintance, 1915: 7 (as *Frontina*); Johnson, 1910: 780, N.J. (as *Frontina* ex *Clisiocampa*); Quaintance, 1908a: 6, E. U.S. (as *Frontina*); Surface, 1904: 43, N.E. U.S. (as "*Frontia*" ex *Clisiocampa*); Howard, 1902: 109, W. Va. (as *Frontina* ex *Clisiocampa*); Coquillett, 1897: 16, 24, Mass. (as *Frontina* ex *Clisiocampa*).

Malacosoma californicum (Packard)

Stehr and Cook, 1968: 260, 262-263, 266, 268, 270, 299-300, Calif., Oreg., Utah, Wash., Wyo.; Essig, 1926: 582, Calif. (as *Frontina*); Coquillett, 1897: 16, 24, Calif. (as *Frontina* ex *Clisiocampa*).

Malacosoma californicum californicum (Packard)

Coquillett, 1897: 16, 24, Calif. (as *Frontina* ex *Clisiocampa thoracica* Stretch).

Malacosoma californicum fragile (Stretch)

Stehr and Cook, 1968: 279, 299, 301, Utah; Beneway, 1963: 658, fig. 33 (ex *M. fragilis*).

Malacosoma californicum lutescens (Neumoegen and Dyar)

Stehr and Cook, 1968: 275, 299, 301, Alta.

Malacosoma californicum pluviale (Dyar)

Stehr and Cook, 1968: 274-275, 299-300, Alta., B.C., Mont., Oreg., Wash.; Beneway, 1963: 658, fig. 33 (ex *M. pluvialis*); Johansen, 1957: 70, Wash. (as *Achaetoneura* ex *M. pluviale*).

Malacosoma constrictum (H. Edwards)

Most records ex *Clisiocampa constricta*.

Essig, 1926: 582, B.C. (as *Frontina* ex *M. constricta*); Coquillett, 1897: 16, 24, Calif. (as *Frontina*); Coquillett, 1894: 30, Calif. (as *Masicera*).

Malacosoma disstria Hübner

Stehr and Cook, 1968: 255, 299, Alta.; Beneway, 1963: 658, fig. 33; Beneway, 1963: 658, fig. 33 (ex *M. disstria erosa* Stretch); Sippell, 1961: 435-436, fig. 10, Ont. (as

Achaetoneura); Johansen, 1957: 70, Wash. (as *Achaetoneura*); Raizenne, 1952: 103, Ont. (as *Achaetoneura*); Strickland, 1938: 218, Alta. (as *Achaetoneura* ex forest tent caterpillar); Bess, 1936: 605 (as *Achaetoneura*); Schaffner and Griswold, 1934: 89, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*); Essig, 1926: 582, Calif. (as *Frontina*).

Malacosoma spp.

Beneway, 1963: 658, fig. 33; Ross, 1953: 19, 22, fig. 5, B.C. (as *Achaetoneura*).

American tent caterpillar(-s)

Curran, 1925a: 156, N.S. (as *Frontina malacosomae* Curran).

Tent caterpillar(-s)

Brimley, 1922: 23, N.C. (as *Frontina*).

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Most records ex *Orgyia leucostigma*.

Schaffner and Griswold, 1934: 85, 117 (as *Achaetoneura* ex *Hemerocampa*); Webber and Schaffner, 1926: 12-13, 20, Mass., New England, N.Y., Pa., R.I. (as *Frontina* ex *Hemerocampa*); Britton, 1917: 110 (as *Frontina* ex *Hemerocampa*); Johnson, 1910: 780, N.J. (as *Frontina*); Howard, 1898: 88, D.C. (as *Frontina*); Coquillett, 1897: 16, 26, D.C. (as *Frontina*); Howard, 1897a: 16-17, D.C. (as *Frontina*); Howard, 1897b: 7, 42, 49, D.C. (as *Frontina*).

Hemerocampa vetusta (Boisduval)

Essig, 1926: 582, Calif. (as *Frontina*).

Nygmia phaeorrhoea (Donovan)

Webber, 1930: 4 (as *Achaetoneura*); Burgess and Crossman, 1929: 143 (as *Achaetoneura*).

Porthetria dispar (Linnaeus)

Webber, 1930: 4 (as *Achaetoneura*); Burgess and Crossman, 1929: 143 (as *Achaetoneura*).

Stilpnotia salicis (Linnaeus)

Beneway, 1963: 658, fig. 33; Lejeune and Silver, 1961: 459-460, 462, B.C. (as *Achaetoneura*); Reeks and Smith, 1956: 569, maritime prov. (as *Achaetoneura*); Burgess and Crossman, 1927: 14, New England (as *Frontina*).

Noctuidae

Faronta diffusa (Walker)

Essig, 1926: 583, Colo. (as *Frontina* ex *Neleucania albilinea* (Hübner)); Webster, R. L., 1911: 181 (as *Frontina* ex *Meliana albilinea*).

Heliothis zea (Boddie)

Most records ex *Heliothis armigera* (Hübner).

Bibby, 1942: 943, Tex. (as *Achaetoneura*); Quaintance and Brues, 1905: 123 (as *Frontina* ex *H. obsoleta* (Fabricius)); Coquillett, 1897: 16, 25 (as *Frontina*).

Hydroecia immanis Guenée

Hawley, 1918: 169, N.Y. (as *Frontina* ex *Gortyna*).

Hypsoropha hormos Hübner

Coquillett, 1897: 16, 25 (as *Frontina*).

Unidentified Noctuidae

Howard, 1897b: 42, D.C. (as *Frontina*).

Notodontidae

Datana angusii Grote and Robinson

Schaffner and Griswold, 1934: 74-75, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*).

Datana integerrima Grote and Robinson

Hixson, 1941: 20, Okla. (as *Achaetoneura*); Schaffner and Griswold, 1934: 76, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*).

Datana ministra (Drury)

Schaffner and Griswold, 1934: 74, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*); Essig, 1926: 582-583, B.C. (as *Frontina*); Coquillett, 1897: 16, 24, Ind. (as *Frontina*).

Datana sp.

Coquillett, 1897: 16, 24 (as *Frontina*).

Ichthyura inclusa Hübner

Dowden, 1935: 509 (as *Achaetoneura* ex *Melalopha*); Webber and Schaffner, 1926: 19, New England (as *Frontina* ex *Melalopha*); Webster, 1899a: 224, Ind. (as *Frontina*); Coquillett, 1897: 16, 25, Ind., Mo. (as *Frontina*).

Nymphalidae

Nymphalis antiopa (Linnaeus)

Schaffner and Griswold, 1934: 11, 117 (as *Achaetoneura* ex *Hamadryas*).

Vanessa atalanta (Linnaeus)

Schaffner and Griswold, 1934: 12, 117 (as *Achaetoneura* ex *Cynthia*); Webber, 1930: 4 (as *Achaetoneura*).

Vanessa cardui (Linnaeus)

All records ex *Pyrameis cardui*.

Webster, 1899a: 224, Ind. (as *Frontina*); Howard, 1897b: 42, D.C. (as *Frontina*).

Papilionidae

Papilio bairdii oregonius Edwards

Beneway, 1963: 658, fig. 33.

Papilio eurymedon Lucas

Beneway, 1963: 658, fig. 33; Tothill, 1913: 71-72, B.C. (as *Frontina*).

Papilio glaucus Linnaeus

Beneway, 1963: 658, fig. 33; Beneway, 1963: 658, fig. 33 (ex *P. glaucus turnus* Linnaeus); Schaffner and Griswold, 1934: 7, 117 (as *Achaetoneura* ex *P. glaucus* form *turnus*); Webber, 1930: 4 (as *Achaetoneura* ex *P. turnus*); Johnson, 1925: 200, Conn., Maine, Mass., N.H., Vt. (as *Frontina*); Johnson, 1910: 780, N.J. (as *Frontina* ex *P. turnus*); Howard, 1897b: 42, D.C. (as *Frontina* ex *P. turnus*); *Brauer and Bergenstamm, 1895: 560, 595, N. Amer. (as (*Masicera*) ex *Jasoniades*, Williston, 1889); Coquillett, 1894: 30, Maine (as *Masicera* ex *P. turnus* var. *glaucus*); Williston, 1889: 1914, 1923, Maine (as *Masicera* ex *Jasoniades*).

Papilio glaucus canadensis Rothschild and Jordan

Beneway, 1963: 658, fig. 33.

Papilio multicaudata Kirby

All records ex *Papilio daunus* Boisduval.

Beneway, 1963: 658, fig. 33; Tothill, 1913: 71, B.C. (as *Frontina*).

Papilio polyxenes Fabricius

Webber, 1930: 4 (as *Achaetoneura*).

Papilio polyxenes asterius Stoll

Schaffner and Griswold, 1934: 6, 117 (as *Achaetoneura* ex *P. ajax* Linnaeus).

Papilio rutulus Lucas

Beneway, 1963: 658, fig. 33; Essig, 1926: 582, B.C. (as *Frontina*).

Papilio troilus Linnaeus

Schaffner and Griswold, 1934: 7, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*).

Papilio sp.

Beneway, 1963: 658, fig. 33.

Pieridae

Pieris rapae (Linnaeus)

Schaffner and Griswold, 1934: 7-8, 117 (as *Achaetoneura* ex *Ascia*); Webber, 1930: 4 (as *Achaetoneura* ex *Pontia*).

Pyralidae

Unidentified Pyralidae

Coquillett, 1897: 17, 26, Va. (as *Frontina*).

Saturniidae

Actias luna (Linnaeus)

Webber, 1930: 4 (as *Achaetoneura* ex *Tropaea*).

Antheraea polyphemus (Cramer)

Most records ex *Telea polyphemus*.

Collins, M. M., and Weast, 1961: 93-94, unnumbered fig. on p. 96 (as *Frontina* ex *Antheraea*); Fattig, 1949: 4-5 (as *Achaetoneura*); Brimley, 1938, N.C. (as *Achaetoneura*); Schaffner and Griswold, 1934: 28, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*); Allen, 1929: 687, Miss. (as *Achaetoneura*); Essig, 1926: 582, Calif. (as *Frontina*); Johnson, 1925: 200, Conn., Maine, Mass., N.H., Vt. (as *Frontina*); Brimley, 1922: 23, N.C. (as *Frontina* ex *Polyphemus* moth); Packard, 1914: 268 (as *Frontina*); Johnson, 1910: 780, N.J. (as *Frontina*); Hine, 1904: 87, B.C. (as *Frontina*); Coquillett, 1897: 17, 27, Pa. (as *Frontina*).

Attacus sp.

Coquillett, 1897: 16, 24, Calif. (as *Frontina*).

Automeris io (Fabricius)

Collins, M. M., and Weast, 1961: 93-94, unnumbered fig. on p. 96 (as *Frontina*); Coquillett, 1897: 16, 25, Ill. (as *Frontina* ex *Hyperchiria*).

Callosamia promethea (Drury)

Schaffner and Griswold, 1934: 27, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*).

Hyalophora calleta (Westwood)

Collins, M. M., and Weast, 1961: 93-94, unnumbered fig. on p. 96 (as *Frontina*).

Hyalophora columbia Smith

Tothill, 1913: 72, Man. (as *Frontina* ex *Samia*).

Platysamia cecropia (Linnaeus)

Collins, M.M., and Weast, 1961: 93-94, unnumbered figs. on pp. 96-97 (as *Frontina* ex *Hyalophora*); Raizenne, 1952: 14, Ont. (as *Achaetoneura* ex *Hyalophora*); Schaffner and Griswold, 1934: 26-27, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura* ex *Samia*); Johnson, 1925: 200, Conn., Maine, N.H., Vt. (as *Frontina* ex *Samia*); Curran, 1925a: 156 (as *Frontina* ex *Cecropia*); *Packard, 1914: 268 (as *Frontina* ex *Samia*, Felt, 1912); Felt, 1912: 116, 191, fig. 3 on pl. 27, N.Y. (as *Frontina* ex *Samia*); Johnson, 1910: 780, N.J. (as *Frontina* ex *Attacus*); Thompson, 1910: 289, 293 (as *Frontina* ex *Cecropia*); Fiske and Thompson, 1909: 453-454 (as *Achaetoneura* ex *Cecropia*); Hitchings, 1908: 12, Maine (as *Frontina* ex *Hyalophora*); Coquillett, 1897: 16, 24, N.J. (as *Frontina* ex *Attacus*).

Platysamia euryalus (Boisduval)

Collins, M. M., and Weast, 1961: 93-94, unnumbered fig. on p. 96 (as *Frontina* ex *Hyalophora rubra* Behr).

Samia cynthia (Drury)

Webber, 1930: 4 (as *Achaetoneura* ex *Philosamia*).

Samia cynthia advena (Packard)

Collins, M. M., and Weast, 1961: 93-94, unnumbered fig. on p. 96 (as *Frontina*); Schaffner and Griswold, 1934: 26, 117 (as *Achaetoneura* ex *S. walkeri advena*).

Syssphinx bicolor (Harris)

Eliot and Soule, 1902: 58 (as *Frontina* ex *Sphingicampa*).

Sphingidae

Ceratomia amyntor (Hübner)

Beneway, 1963: 658, fig. 33.

Ceratomia catalpae (Boisduval)

Beneway, 1963: 658, fig. 33; Schaffner and Griswold, 1934: 17, 117, N.J. (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*); Howard and Chittenden, 1916: 6 (as *Frontina*); Howard and Chittenden, 1907: 5 (as *Frontina*); Coquillett, 1897: 16, 24, D.C. (as *Frontina*).

Ceratomia undulosa (Walker)

Beneway, 1963: 658, fig. 33; Schaffner and Griswold, 1934: 17, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*).

Manduca quinquemaculata (Haworth)

Schaffner and Griswold, 1934: 16, 117 (as *Achaetoneura* ex *Phlegethontius*).

Pachysphinx modesta (Harris)

*Vide Essig, 1926: 582-583, Oreg. (as *Frontina*, Cole, F. R., and Lovett, 1921); Cole, F. R., and Lovett, 1921: 302, Oreg. (as *Frontina* ex sphingid on *Populus trichocarpa* Torrey and Gray).

Paonias myops (J. E. Smith)

Schaffner and Griswold, 1934: 21, 117 (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*).

Smerinthus cerisyi Kirby

Essig, 1926: 583, Oreg. (as *Frontina*); Coquillett, 1897: 17, 27, Calif. (as *Frontina*).

Smerinthus jamaicensis (Drury)

All records ex *Smerinthus geminatus* Say.

Schaffner and Griswold, 1934: 20, 117 (as *Achaetoneura*); Aldrich, 1932: 3, Mass. (as *Achaetoneura*); Webber, 1930: 4 (as *Achaetoneura*).

Sphinx chersis (Hübner)

Beneway, 1963: 658, fig. 33; Raizenne, 1952: 10, Ont. (as *Achaetoneura*); Schaffner and Griswold, 1934: 18, 117 (as *Achaetoneura* ex *Hyloicus*); Aldrich, 1932: 1, Mass. (as *Achaetoneura*, incomplete rearing — pupa); Webber, 1930: 4 (as *Achaetoneura*).

Sphinx kalmiae J. E. Smith

Beneway, 1963: 658, fig. 33; Schaffner and Griswold, 1934: 18-19, 117 (as *Achaetoneura* ex *Hyloicus*); Webber, 1930: 4 (as *Achaetoneura*).

Unidentified Sphingidae

Schaffner and Griswold, 1934: 26, 117 (as *Achaetoneura*); *Brauer and Bergenstamm, 1895: 561, 606, N. Amer. (as *Masicera sphingivora* Townsend ex *Sphinx* sp., Townsend, 1892a); Townsend, 1892a: 286, W. Va. (as *Masicera sphingivora*).

Unidentified Lepidoptera

Miscellaneous

Essig, 1926: 583, N. Amer. (as *Frontina* ex great variety of caterpillars); Howard and Chittenden, 1907: 5 (as *Frontina*).

HOST: ORTHOPTERA

Acrididae

Dissosteira carolina (Linnaeus)

Coquillett, 1897: 16, 23, Mo. (as *Frontina*).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera), adult (Orthoptera).

IMMATURES: Egg — Collins, M. M., and Weast, 1961: (unnumbered fig. on p. 97).

Third instar larva — Beneway, 1963: (fig. 33); Collins, M. M., and Weast, 1961: (descr.).

Pupa — Collins, M. M., and Weast, 1961: (descr., unnumbered fig. on p. 96); Sippell, 1961: (descr., fig. 10); Ross, 1953: (descr., fig. 5); Webber, 1930: (fig. 12); Greene, 1922: (descr., fig. 28 on pl. 6); Felt, 1912: (fig. 3 on pl. 27); Thompson, 1910 (descr.).

BIOLOGY: Collins, M. M., and Weast, 1961: (93-94); Hixson, 1941: (20); Proctor, 1938: (375); Dowden, 1935: (509); Aldrich, 1932: (1); Allen, 1929: (687); Felt, 1912: (116, 191); Thompson, 1910: (289, 293); Hitchings, 1908: (12).

Lespesia frenchii (Williston) complex

All records as *Achaetoneura frenchii* complex.

HOST: LEPIDOPTERA

Notodontidae

Datana integerrima Grote and Robinson

Patton, 1958: 32, Fla.

Datana ministra (Drury)

Patton, 1958: 32, Fla.

STAGE PARASITIZED: Pupa.

BIOLOGY: Schaffner and Griswold, 1934: (117).

Lespesia laniiferae (Webber)

HOST: LEPIDOPTERA

Pyralidae

Laniifera cyclades Druce

Beneway, 1963: 660; Webber, 1930: 4, 33, Mexico (as *Achaetoneura*).

STAGE PARASITIZED: Pupa.

Lespesia sp. near *laniiferae* (Webber)

HOST: LEPIDOPTERA

Arctiidae

Eupseudosoma involutum floridanum Grote

Patton, 1958: 32, Fla. (as *Achaetoneura*, incomplete rearing — pupa).

STAGE PARASITIZED: Larva.

BIOLOGY: Patton, 1958: (32).

Lespesia melalophae (Allen)

Most records as *Achaetoneura melalophae*.

HOST: LEPIDOPTERA

Geometridae

Metanema inatomaria Guenée

Raizenne, 1952: 150, Ont.

Lasiocampidae

Malacosoma disstria Hübner

Beneway, 1963: 662 (as *Lespesia*); Sippell, 1961: 435-436, fig. 9, Ont.

Noctuidae

Nycteola cinereana Neumoegen and Dyar

Beneway, 1963: 662 (as *Lespesia*).

Notodontidae

Ichthyura inclusa Hübner

Most records ex *Melalopha inclusa*.

Beneway, 1963: 662 (as *Lespesia* ex "*Ichthyura*"); Fattig, 1949: 5 (ex *Ichthyura*); Brimley, 1938: 363, probably N.C.; Schaffner and Griswold, 1934: 73, 117, Conn., N.J., N.Y., R.I.; Webber, 1930: 4; Allen, 1926b: 192-196, Miss.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Sippell, 1961: (descr., fig. 9).

BIOLOGY: Schaffner and Griswold, 1934: (73, 117); Allen, 1926b: (192-196).

Lespesia pholi (Webber)

HOST: LEPIDOPTERA

Sphingidae

Pholus satellitia pandorus (Hübner)

Beneway, 1963: 664.

Pholus spp.

Beneway, 1963: 664; Aldrich, 1932: 3, Mass. (as *Achaetoneura*); Webber, 1930: 4, 28, Mass. (as *Achaetoneura*).

STAGE PARASITIZED: Larva.

Lespesia rileyi (Williston)

HOST: LEPIDOPTERA

Papilionidae

Papilio cresphontes Cramer

Beneway, 1963: 666; Patton, 1958: 32, Fla. (as *Achaetoneura*); *Brauer and Bergenstamm, 1895: 561, 594 (as *Masicera* ex *Heraclides*, Williston, 1889); Williston, 1889: 1914, 1924 (as *Masicera* ex *Heraclides*).

Papilio thoas Linnaeus

*Vide Webber, 1930: 4, 32 (as *Achaetoneura* ex "*Papilo*," Coquillett, 1897); Allen, 1929: 687, Miss. (as *Frontina*); Coquillett, 1897: 17, 26, Fla. (as *Frontina irrequieta* (Walker)).

STAGE PARASITIZED: Pupa.

Lespesia sabroskyi Beneway

HOST: LEPIDOPTERA

Saturniidae

Antheraea polyphemus (Cramer)

Beneway, 1963: 642, 667; *Brauer and Bergenstamm, 1895: 560, 584, N. Amer. (as (*Masicera*) *datanarum* Townsend ex *Attacus*, Townsend, 1892a); Townsend, 1892a: 287, Ont. (as *Masicera datanarum* ex *Attacus*).

Automeris io (Fabricius)

Beneway, 1963: 642, 667.

Platysamia euryalus (Boisduval)

Beneway, 1963: 642, 667 (ex *Hyalophora*).

STAGE PARASITIZED: Pupa.

Lespesia schizurae (Townsend)

HOST: LEPIDOPTERA

Arctiidae

Euchaetias egle (Drury)

*Brauer and Bergenstamm, 1895: 544, 592 (as *Argyrophylax* ex "*Euchaetes*," Townsend, 1893); Townsend, 1893: 467, Ill. (as *Masicera* ex "*Euchaetes*").

Danaidae

Danaus plexippus plexippus (Linnaeus)

Urquhart, 1960: 207, Ont. (as *Achaetoneura* ex *D. plexippus*).

Lasiocampidae

Malacosoma americanum (Fabricius)

Dozier, 1920: 372, 378, Fla. (as *Achaetoneura*).

Notodontidae

Heterocampa biundata Walker

Beneway, 1963: 670.

Heterocampa sp.

Beneway, 1963: 670.

Schizura ipomaeae Doubleday

Beneway, 1963: 670 (ex *S. "ipomoeae"*); Webber, 1930: 4, 30, Wash. (as *Achaetoneura piperi* (Townsend) ex *S. "ipomoeae"*); Essig, 1926: 583, Wash. (as *Sturmia*); Johnson, 1925: 200, Mass. (as *Argyrophylax*); Townsend, 1908: 98, Wash. (as *Argyrophylax piperi*); Coquillett, 1897: 21, 27, Wash. (as *Sturmia* ex *S. "ipomoeae"*).

Schizura unicornis (J. E. Smith)

Beneway, 1963: 670; Schaffner and Griswold, 1934: 81-82, 117, N.J. (as *Achaetoneura piperi*); *Webber, 1930: 4, 29, Kans. (as *Achaetoneura*, Townsend, 1891c); *Brauer and Bergenstamm, 1895: 544, 605, Kans. (as *Argyrophylax*, Townsend, 1891c); Townsend, 1891c: 187, Kans. (as *Masicera*).

Sphingidae

Pholus satellitia pandorus (Hübner)

Fattig, 1949: 5, Ga. (as *Achaetoneura* ex *P. pandorus*).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Schaffner and Griswold, 1934: (81-82, 117).

Lespesia testacea (Webber)

HOST: LEPIDOPTERA

Noctuidae

Xerociris wilsoni (Grote)

Beneway, 1963: 672.

Sphingidae

Pholus achemon (Drury)

Beneway, 1963: 672; Fattig, 1949: 5 (as *Achaetoneura*);

Brimley, 1938: 363, N.C. (as *Achaetoneura*); Brimley,

1922: 23, N.C. (as *Frontina violenta* (Walker)).

Pholus vitis (Linnaeus)

Beneway, 1963: 672; *Webber, 1930: 4, 26, D.C. (as

Achaetoneura, Coquillett, 1897); Coquillett, 1897: 17,

26, D.C. (as *Frontina violenta* ex *Philampelus*).

STAGE PARASITIZED: Larva.

Lespesia spp.

HOST: LEPIDOPTERA

Arctiidae

Ecpantheria icasia (Cramer)

Harrison and Stephens, 1966: 673-674, Costa Rica (as
Achaetoneura).

Citheroniidae

Anisota rubicunda (Fabricius)

Riley, 1873: 139-140, Kans. (as *Tachina anonyma* Riley ex
Dryocampa).

Anisota senatoria J. E. Smith

Brauer and Bergenstamm, 1895: 542, 582, N. Amer. (as
Achaetoneura).

Citheronia regalis (Fabricius)

*Brauer and Bergenstamm, 1895: 541, 587 (as *Achaetoneura*
anonyma, Riley, 1872); Riley, 1872: 129 (as *Tachina*
anonyma).

Ctenuchidae

Syntomeida epilais jucundissima Dyar

Fernald, H. T., 1934: 23-24, Fla. (as *Achaetoneura*).

Danaidae

Danaus plexippus plexippus (Linnaeus)

All records ex *Danaus archippus* (Fabricius).

Brauer and Bergenstamm, 1895: 541, 590 (as *Achaetoneura anonyma* ex "*Danais*"); Riley, 1872: 129 (as small *Tachina anonyma* ex "*Danais*").

Lasiocampidae

Malacosoma californicum (Packard)

Brauer and Bergenstamm, 1895: 542, 588 (as *Achaetoneura* ex *Clisiocampa*).

Malacosoma disstria Hübner

Anon., 1960d: 1026, S. and S.E. U.S. (as *Achaetoneura*).

Malacosoma sp.

Gibson, W. W., and Carrillo S., 1959: 180, Mexico (D. F.) (as *Achaetoneura* ex "*Malocosoma*").

Lycaenidae

Strymon melinus (Hübner)

Little and Martin, 1941: 74, Tex. (as *Frontina*); Reinhard, 1929: 33-34, Tex. (as *Frontina*).

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Schaffner and Griswold, 1934: 85 (as *Achaetoneura*).

Megathymidae

Megathymus yuccae (Boisduval and LeConte)

Riley, 1876: 179 (as [*Tachina*] *anonyma*); Riley, 1876b: 339, S.C. (as [*Tachina*] *anonyma*).

Noctuidae

Acronicta lanceolaria (Grote)

Schaffner and Griswold, 1934: 60, 117, Mass. (as near *Achaetoneura* (n. sp.) (1) ex *Acronycta*).

Autographa californica (Speyer)

Clancy, 1969: 1079, Calif.

Celama sorghiella (Riley)

Reinhard, 1938: 32, Tex. (as *Achaetoneura*).

Faronta diffusa (Walker)

Titus and Pratt, 1904: 62 (as *Tachina anonyma* ex *Heliophila albilinea* (Hübner)); Riley, 1877: 54, probably Mo. (as *Tachina anonyma* ex *Leucania albilinea*).

Heliothis virescens (Fabricius)

Lewis, W. J., and Brazzel, 1968: 674-675, Miss.

Heliothis zea (Boddie)

Most records ex *Heliothis armigera* (Hübner).

Lewis, W. J., and Brazzel, 1968: 674-675, Miss. (ex *H. zea*);

Brauer and Bergenstamm, 1895: 542, 593 (as *Achaetoneura anonyma*); Brauer and Bergenstamm, 1895: 542, 594, N. Amer. (as *Achaetoneura*); Riley, 1872: 129 (as small *Tachina anonyma*).

Hypsoropha hormos Hübner

Brauer and Bergenstamm, 1895: 542, 595, N. Amer. (as *Achaetoneura*).

Simyra henrici (Grote)

Schaffner and Griswold, 1934: 61, 117, Mass. (as near *Achaetoneura* (n. sp.) (2)).

Spodoptera frugiperda (J. E. Smith)

All records ex *Prodenia autumnalis* Riley.

Brauer and Bergenstamm, 1895: 542, 604 (as *Achaetoneura anonyma*); Riley, 1872: 129 (as small *Tachina anonyma*).

Trichoplusia ni (Hübner)

Clancy, 1969: 1079-1080, Calif.; Oatman, 1966: 1138, Calif. (as *L. "achaetoneura* (Williston)").

Unidentified Noctuidae

Riley, 1872: 129 (as small *Tachina anonyma*).

Notodontidae

Datana ministra (Drury)

Brauer and Bergenstamm, 1895: 541, 590 (as *Achaetoneura anonyma*); Brauer and Bergenstamm, 1895: 542, 590, N. Amer. (as *Achaetoneura*); Riley, 1872: 129 (as small *Tachina anonyma*).

Heterocampa umbrata Walker

Schaffner and Griswold, 1934: 79, 117, Mass. (as *Achaetoneura*).

Ichthyura inclusa Hübner

Brauer and Bergenstamm, 1895: 542, 595, N. Amer. (as *Achaetoneura*).

Ichthyura spp. (including *I. apicalis* Walker or *I. inclusa* Hübner)

Allen, 1924: 24, Miss. (as *Frontina* undescribed sp. ex "*Melanopha*" *inclusa* or *apicalis*).

Nymphalidae

Vanessa cardui (Linnaeus)

Brauer and Bergenstamm, 1895: 542, 609 (as *Achaetoneura anonyma*); Riley, 1872: 129 (as small *Tachina anonyma* ex *Cynthia*).

Olethreutidae

Eucosma scudderiana (Clemens)

Brauer and Bergenstamm, 1895: 542, 592, N. Amer. (as *Achaetoneura* ex *Euryptychia saligneana* Clemens).

Grapholitha molesta (Busck)

Stearns and Amos, 1941: 247, Del. (as *Achaetoneura*).

Pieridae

Colias eurytheme Boisduval

Lochhead, 1919: 176 (as "*Forntina*" ex *Eurymus*).

Pieris rapae (Linnaeus)

Oatman, 1966: 1137-1138, Calif. (as *L. "Archaetoneura* (Williston)").

Psychidae

Oiketicus kirbyi Guilding

Stephens, 1962: 385, Costa Rica (as *Achaetoneura*).

Pyralidae

Diatraea sp.

Gibson, W. W., and Carrillo S., 1959: 180, Mexico (V.C.) (as *Achaetoneura*).

Laniifera cyclades Druce

Mann, 1969: 14, 77, probably Mexico (ex *Megastes*).

Melitara prodenialis Walker

Mann, 1969: 14, 32, Fla.

Pyrausta signatalis (Walker)

Schaffner, 1959: 12, 48, Mass. (as *Achaetoneura*).

Unidentified Pyralidae

Brauer and Bergenstamm, 1895: 542, 604, N. Amer. (as *Achaetoneura* ex pyralid on alder tree).

Saturniidae

Antheraea polyphemus (Cramer)

Most records ex *Attacus polyphemus*.

Powell, 1958: 48, Calif. (as *Achaetoneura* ex "Antheracea"); *Brauer and Bergenstamm, 1895: 541, 584 (as *Achaetoneura anonyma*, Riley, 1872); Brauer and Bergenstamm, 1895: 542, 584, N. Amer. (as *Achaetoneura*); Riley, 1872: 129, Mo. (as *Tachina anonyma*).

Hemileuca maia (Drury)

Riley, 1873: 133 (as [*Tachina*] *anonyma* ex *Saturnia*).

Rothschildia aroma Schaus probably

Quezada, 1967: 595, 597, El Salvador.

Sphingidae

Ceratomia catalpae (Boisduval)

Schaffner and Griswold, 1934: 17, 117, N.J. (as *Achaetoneura*).

Manduca sexta (Linnaeus)

All records ex *Sphinx carolina* Linnaeus.

Brauer and Bergenstamm, 1895: 542, 606 (as *Achaetoneura anonyma*); Riley, 1872: 129 (as *Tachina anonyma*, var.).

HOST: ORTHOPTERA

Acrididae

Dissosteira carolina (Linnaeus)

Riley, 1875: 178, Mo. (as *Tachina anonyma* ex *Oedipoda*).

Melanoplus differentialis (Thomas)

Riley, 1875: 178, Mo. (as *Tachina anonyma* ex differential locust).

Melanoplus spretus (Walsh)

All records ex *Caloptenus spretus*.

Brauer and Bergenstamm, 1895: 541, 586 (as *Achaetoneura anonyma*); Riley, Packard and Thomas, 1883: 40, Mont., Wyo. (as *Tachina anonyma*); Riley, 1875: 178, Colo. (as *Tachina anonyma*).

Locust(-s)

Riley, Packard and Thomas, 1878: 323 (as *Tachina anonyma*).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera), adult (Orthoptera).

BIOLOGY: Clancy, 1969: (1079-1080); Schaffner, 1959: (12, 48); Powell, 1958: (48); Schaffner and Griswold, 1934: (60-61, 79, 117); Riley, 1873: (133).

Leucostoma Meigen (Phasiinae: Leucostomatini)

Leucostoma acirostre Reinhard

HOST: HEMIPTERA (HETEROPTERA)

Coreidae

Harmostes reflexulus (Say)

Reinhard, 1956: 163, D.C.

STAGE PARASITIZED: Adult

Leucostoma acuminata, see *Leucostoma aterrimum*

Leucostoma aterrimum (Villers)

HOST: HEMIPTERA (HETEROPTERA)

Rhopalidae

Liorhyssus hyalinus (Fabricius)

All records ex *Corizus hyalinus*.

Bryan, 1934: 416, Hawaii; Allen, 1929: 684, Miss. (as *L. acuminata* Townsend).

Leucostoma atra, see *Leucostoma simplex*

Leucostoma gravipes (Wulp)

HOST: HEMIPTERA (HETEROPTERA)

Lygaeidae

Oncopeltus fasciatus (Dallas)

Prine, 1967: 92, Calif.

Leucostoma simplex (Fallén)

Most records as *Leucostoma atra* Townsend.

HOST: HEMIPTERA (HETEROPTERA)

Nabidae

Nabis alternatus Parshley

Morrill, W. L., 1969: 240, S. Dak. (as *L. simplex*); Clancy and Pierce, 1966: 857-858, Calif. (as *L. simplex*); Taylor, 1951: 133, probably Utah (probable host); Taylor, 1949: 991, Utah.

Nabis americanoferus Carayon

Clancy and Pierce, 1966: 857-858, Calif. (as *L. simplex*); Reinhard, 1956: 160, Wis. (as *L. simplex* ex *N. ferus* (Linnaeus)); Swezey, 1922a: 30-31 (ex *Reduviolus ferus*).

Nabis roseipennis Reuter

Shannon, 1914: 182, Md. (ex *Reduviolus*).

Rhopalidae

Liorhyssus hyalinus (Fabricius)

All records ex *Corizus hyalinus*.

Williams, 1931: 100, 296-297, Hawaii; Swezey, 1922a: 30-31, Hawaii.

HOST: ORTHOPTERA

Acrididae

Melanoplus sanguinipes (Fabricius)

Smith, R. W., 1944: 29, Ont. (ex *M. mexicanus* Saussure).

Grasshopper(-s)

Smith, R. W., and Finlayson, 1950: 98-100, figs. 27, 51, Canada (as *Paradionaea*).

STAGE PARASITIZED: Nymph (Hemiptera-Heteroptera), adult (Hemiptera-Heteroptera).

IMMATURES: Second instar larva — Smith, R. W., and Finlayson, 1950: (descr., figs. 27, 51).

Pupa — Greene, 1922: (descr., fig. 16 on pl. 4).

BIOLOGY: Morrill, W. L., 1969: (240); Smith, R. W., and Finlayson, 1950: (98-100); Taylor, 1949: (991).

Leucostoma spp.

HOST: HEMIPTERA (HETEROPTERA)

Lygaeidae

Lygaeus kalmii Stål

Simanton and Andre, 1936: 106, Iowa.

STAGE PARASITIZED: Adult.

Linnaemya Robineau-Desvoidy (Tachininae: *Linnaemyini*)

Linnaemya anthracina, see *Thompsonomyia anthracina*

Linnaemya comta, see *Bonnetia comta*

Linnaemya fulvicauda, see *Gymnochaetopsis fulvicauda*

"*Linnaemya picta* Meigen"

HOST: LEPIDOPTERA

Noctuidae

Agrotis vetusta (Walker)

All records ex *Porosagrotis vetusta*.

*Crumb, 1929: 40, 89 (as *Linnaemyia*, Chittenden, 1912);

Chittenden, 1912: 51, N.C., Va.

STAGE PARASITIZED: Larva.

Linnaemya tessellata (Brooks)

All records as *Bonellimyia tessellata*.

HOST: LEPIDOPTERA

Noctuidae

Amathes smithii (Snellen)

Wood and Neilson, 1957: 503, N.B. (ex *Graphiphora*);

Brooks, 1944: 198-200, fig. 3, Wash. (ex *Agrotis*).

IMMATURES: First instar larva — Brooks, 1944: (descr., fig. 3).

Linnaemyia "compta," see *Bonnetia comta*

Linnaemyia comta, see *Bonnetia comta*

Linnaemyia fulvicauda, see *Gymnochaetopsis fulvicauda*

Linnaemyia picta, see "*Linnaemya picta*"

Lispidea palpigera, see *Elfia palpigera*

Lispidea sp., see *Elfia* spp.

"*Lispidia*" sp. near *palpigera*, see *Elfia* sp. near *palpigera*

"*Lixephaga distraeae*," see *Lixophaga diatraeae*

Lixophaga Townsend (Goniinae: Blondeliini)

Lixophaga "diatraea," see *Lixophaga diatraeae*

Lixophaga diatraeae (Townsend)

HOST: LEPIDOPTERA

Arctiidae

Utetheisa venusta Dalman

Scaramuzza, 1932: 90 (unsuccessful lab. rearing).

Hesperiidae

Calpodes ethlius (Stoll)

Scaramuzza, 1932: 90 (lab.)

Noctuidae

Spodoptera frugiperda (J. E. Smith)

Scaramuzza, 1932: 90 (ex *Laphygma*, lab.).

Pyralidae

Diatraea canella Hampson

Box, 1939: 228 (lab.).

Diatraea crambidoides (Grote)

Holloway and Loftin, 1919: 41, 61-62, La., Cuba (as *Euzenilliopsis* ex *D. saccharalis* var. *crambidoides*).

Diatraea saccharalis (Fabricius)

Allen, 1962: 9; Miskimen, 1962: 138, Virgin Islands; Anon., 1960: 211 (lab.); Anon., 1960a: 58-61, Antigua, Jamaica, St. Kitts (as *L. "diatraea"*); Anon., 1960b: 8, Fla. (as "*Lixophoga*"); Box, 1960: 901-913, Antigua, Haiti, St. Kitts, St. Lucia; Charpentier, McCormick and Mathes, 1960: 865-868, La.; Scaramuzza, 1960: 939-941, Cuba; Scaramuzza and Barry, 1960: 998, Cuba; Charpentier, 1958: 163-164, La.; Charpentier, 1956: 267-268, La.; Clausen, 1956: 4-5, 44-45, 110-111, Fla.; Dugas, Miller and Concienne, 1956: 93, La. (ex sugarcane borer); Simmonds, 1956: 554-555, St. Kitts; Wolcott, 1956: 311, P.R.; Dugas, Concienne, Sibley and Joyner, 1955: 88, La. (ex sugarcane borer); Scaramuzza, 1955: 319-320, Cuba (probable host); Simmonds, 1955: 199, Dominica; Mathes, Ingram, Questel, Thames and Dugas, 1954: 562, Fla.; Simmonds, 1953: 122-124, 126, Guadeloupe; Thames, Mathes, Bregger and Questel, 1952: 208, Fla. (ex sugarcane moth borer); Hayslip, Mathes and Bregger, 1951: 190, Fla.; Ingram, Bynum and Mathes, 1951: 395, Fla.; Ingram, Mathes, Haley and Charpentier, 1951: 7-8, Fla.; Ingram, Mathes, Wilson and Hayslip, 1951: 356-360, Fla., La.; Plank, 1951: 15, P.R.; Scaramuzza, 1951: 282-291, Cuba; Scaramuzza, 1951a: 298, Cuba; Wolcott, 1951: 9-10, P.R.; Wolcott, 1951a: 474-475, P.R.; Anon., 1950: 4 (as *L. "diatraea,"* lab.); Beauchamp, 1950: 1151-1161, Fla., Cuba (ex sugarcane

borer); Plank, 1950: 14, P.R.; Scaramuzza, 1950: 99-100, Cuba; Anon., 1948b: 50, Cuba; Scaramuzza, Fernández Artilles and Fernández Perez, 1948: 37-40 (lab.); Simmonds, 1948: 68, U.S., Antigua, St. Kitts; Scaramuzza, Fernández Artilles and Fernández Perez, 1947: 1-5 (lab.); Wilson, J. W., and Bregger, 1947: 189, Fla. (as *L. "diatraea"* ex sugarcane moth borer); Scaramuzza, 1946: 544, 546, 548, Cuba; Wilson, J. W., 1946: 179, Fla. (as *L. "diatraea"*); Plank, 1945a: 353-355, Cuba; Turner, 1945: 24, Antigua; Annand, 1944: 134, 146, Fla., Cuba (ex sugarcane borer); Hayslip, 1944a: 128, Fla.; Lee, 1942: 67, P.R. (as *L. "diatraea"*); Scaramuzza, 1942: 121-123, Cuba; Scaramuzza and Ingram, 1942: 642-645, Fla.; Wilson, J. W., 1942: 164, Fla. (as *L. "diatraea"*); Ingram, 1941: 800, Fla. (ex sugarcane borer); Ingram and Bynum, 1941: 9, Fla., La.; Wolcott, 1941: 116, P.R.; Tucker, R. W. E., 1940: 462, Cuba, Haiti, Jamaica, Santo Domingo (as *L. "diatraea"*); Box, 1939: 227-228, St. Lucia; Holloway, 1939: 260, Fla., La.; Ingram, Jaynes and Lobdell, 1939: 90, Fla.; Jaynes, 1939: 245-253, Fla., La.; Tucker, R. W. E., 1939: 241 (as *L. "saccharalis" Tucker*, lab.); Lee, 1938: 96-97, P.R.; Bartlett, 1937: 8, P.R. (as *L. "variabilis"* (Coquillett)); Lobdell, 1937: 146, Fla. (as *L. "diatraea"*, lab.); Box, 1935: 474, Cuba (as *Lixophaga* [sp.]); Myers, 1935: 382, Antigua, St. Kitts, St. Lucia; Scaramuzza, 1934: 14, Cuba; Leonard and Séin, 1932: 2, P.R. (as *Lixophaga* [sp.]); Plank, 1932: 1-8, Cuba; Scaramuzza, 1932: 87-91, Cuba; Scaramuzza, 1932a: 60, Cuba; Van Dine and Christenson, 1932: 2, Cuba; Scaramuzza, 1930: 999-1004, Cuba; Plank, 1929: 116-117, Cuba; Plank, 1929a: 107-108, Cuba; Plank, 1929b: 622-629, figs. 2-3, Cuba; Holloway, 1928: 241, La., Cuba (ex sugarcane moth borer); Holloway, Haley, Loftin and Heinrich, 1928: 43, 64-65, La., Cuba; *vide Holloway, Haley, Loftin and Heinrich, 1928: 43, P.R. (as *Tachinophyto* sp., Van Dine, 1913b); Russo, 1927: 91, Cuba or Dominican Republic (as *Euzenilliopsis "diatraea"* ex "*Diatrea*"); Russo, 1927a: 138, Cuba, P.R., Santo Domingo (as "*Lixephaga distraeae*"); Aldrich, 1925c: 134, La., Cuba, Mexico; Menedez Ramos, 1924: 92, P.R. (as *Euzenilliopsis "diatraea"*); Wolcott, 1924: 221, P.R. (as *Euzenilliopsis*); Wolcott, 1924a: 19, Cuba, Jamaica, P.R.

(as *Euzenilliopsis*); Van Zwaluwenburg, 1923: 227, Cuba (as *Euzenilliopsis* ex *D. "saccharalia"*); Holloway, 1919: 176-177, Cuba (as *Euzenilliopsis*, lab.); *vide Holloway and Loftin, 1919: 41, P.R. (as *Tachinophyto* sp. ex *D. saccharalis* var. *crambidoides*, Van Dine, 1913b); Townsend, 1916c: 76, Cuba (as *Euzenilliopsis*); Wolcott, 1916: 19, P.R. (as probably *Hypostena* sp.); Van Dine, 1913b: 199, P.R. (as "*Tachinophyta*" sp.).

Diatraea spp.

Bartlett, 1941: 8; Jaynes, 1933: 2, La., Cuba; Van Zwaluwenburg, 1926: 667-668, Cuba, P.R. (as *Euzenilliopsis*).

Zeadiatraea lineolata (Walker)

All records ex *Diatraea lineolata*.

Box, 1935: 474, Cuba (as *Lixophaga* [sp.]); Scaramuzza, 1932: 90 (lab.); Aldrich, 1925c: 134, Mexico (probable host).

Unidentified Lepidoptera

Miscellaneous

Flores Caceres, 1958: 245, Cuba (ex barrenadores); James, H. C., 1952: 34, Jamaica (ex small moth borer caterpillars attacking sugar-cane); Townsend, 1916c: 76, La. (as *Euzenilliopsis* ex pupa found in cane).

Moth stalkborer(-s)

Holloway, 1927: 67, La.; Plank, 1927: 68, Cuba.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: First instar larva — Scaramuzza, 1930: (descr.).

Second instar larva — Scaramuzza, 1930: (descr.).

Third instar larva — Scaramuzza, 1930: (descr.).

Pupa — Scaramuzza, 1951: (descr.); Bartlett, 1941: (descr.); Scaramuzza, 1930: (descr.); Plank, 1929: (descr.); Plank, 1929a: (descr.); Plank, 1929b: (figs. 2-3).

BIOLOGY: Allen, 1962: (9); Charpentier, 1956: (267-268); Clausen, 1956: (4-5, 44-45, 110-111); Simmonds, 1953: (122-124, 126); Scaramuzza, 1951: (282-291); Scaramuzza, Fernández Artilés and Fernández Perez, 1947: (1-5); Scaramuzza, 1942: (121-123); Jaynes, 1939: (245-253); Scaramuzza, 1934: (14); Scaramuzza, 1930: (999-1004); Holloway, 1928: (241); Wolcott, 1924: (221).

Lixophaga sp. near *fasciata* Curran

HOST: LEPIDOPTERA

Olethreutidae

Petrova albicapitana (Busck)

Turnock, 1953: 242, Man., Minn., Sask.

Lixophaga grisea (Curran)

All records as *Hypostena grisea*.

HOST: LEPIDOPTERA

Pyralidae

Diatraea saccharalis (Fabricius)

Russo, 1927a: 138-139, Jamaica; Curran, 1926: 106-107, Jamaica.

STAGE PARASITIZED: Larva.

Lixophaga jennei Aldrich

HOST: LEPIDOPTERA

Olethreutidae

Laspeyresia pomonella (Linnaeus)

Aldrich, 1926a: 19, Ark. (ex *Carpocapsa*).

Lixophaga mediocris Aldrich

HOST: LEPIDOPTERA

Gelechiidae

Frumenta nundinella (Zeller)

Fattig, 1949: 20, Ga.

Limacodidae

Cnidocampa flavescens (Walker)

Brimley, 1938: 359, N.C. (ex Oriental moth).

Olethreutidae

Grapholitha molesta (Busck)

Allen, 1962: 11, Ill., Ind., Ky., Ohio, S.C., Tenn., Va.; Butler, H. G., 1933: 984-985, Tenn.; Driggers, 1929: 169-170, N.J. (ex Oriental peach moth).

Laspeyresia caryana (Fitch)

Patton, 1958: 77, Fla.; Phillips, A. M., 1957: 89, Fla. (ex hickory shuckworm).

Rhyacionia buoliana (Schifferrmüller)

Schaffner, 1959: 23, 51, [N.E. U.S.].

Rhyacionia frustrana (Comstock)

DuRant and Hyche, 1967: 406-409, fig. 1, Ala.; Schaffner, 1959: 24, 51, [N.E. U.S.]; Cushman, 1927: 618, Va.; Aldrich, 1925c: 136, Va.

Rhyacionia rigidana (Fernald)

Allen, 1962: 11, N.J.

Suleima helianthana (Riley)

Allen, 1962: 116.

STAGE PARASITIZED: Larva.

IMMATURES: Egg — DuRant and Hyche, 1967: (descr., fig. 1A).

First instar larva — DuRant and Hyche, 1967: (descr., fig. 1A-D).

Second instar larva — DuRant and Hyche, 1967: (descr., fig. 1E, G).

Third instar larva — DuRant and Hyche, 1967: (descr., fig. 1F, H-J).

Pupa — DuRant and Hyche, 1967: (descr., fig. 1K).

BIOLOGY: Allen, 1962: (11); Schaffner, 1959: (23-24, 51); Cushman, 1927: (618).

Lixophaga orbitalis Aldrich

HOST: LEPIDOPTERA

Olethreutidae

Laspeyresia pomonella (Linnaeus)

Most records ex *Carpocapsa pomonella*.

Lloyd, 1944: 461-464, 466-467, 470-471, Calif. (ex codling moth); *vide Aldrich, 1926a: 18, Calif. (Aldrich, 1925c; Townsend, 1916b; Coquillett, 1897); *vide Aldrich, 1925c: 134 (as undescribed *Lixophaga* sp. ex *Carpocapsa* [sp.], Townsend, 1916b; Coquillett, 1897); Townsend, 1916b: 32, Calif. (as possibly western ssp. of *Euzenillia variabilis* (Coquillett)); Coquillett, 1897: 17, 24 (as *Hypostena variabilis*).

STAGE PARASITIZED: Larva.

BIOLOGY: Lloyd, 1944: (461-464, 466-467, 470-471).

Lixophaga "parua," see *Lixophaga parva*

Lixophaga parva Townsend

HOST: COLEOPTERA

Curculionidae

Lixus scrobicollis Boheman

Pierce, Cushman and Hood, 1912: 75, Tex.; Pierce, 1908: 382, 391, Tex.; Townsend, 1908: 86, Tex.

HOST: LEPIDOPTERA

Olethreutidae

Grapholitha molesta (Busck)

Steenburgh and Boyce, 1938: 73, Ont. (as *L. "parua"* ex *Laspeyresia*).

Lixophaga "plumbeae," see *Lixophaga plumbea*

Lixophaga plumbea Aldrich

HOST: LEPIDOPTERA

Olethreutidae

Grapholitha molesta (Busck)

Most records ex *Laspeyresia molesta*.

Allen, 1962: 11, Conn., Ind., N.J., N.Y., Ohio (ex *Grapholitha*); Stearns and Amos, 1941: 247, Del. (ex *Grapholitha*); Steenburgh and Boyce, 1938: 73, Ont.; Steenburgh, 1935: 70-71, Ont.; Steenburgh, 1932: 67-68, Ont. (as *L. "plumbeae"*); Steenburgh, 1931: 59, Ont.; Haeussler, 1930: 367, Va.; Driggers, 1929: 169-170, N.J. (ex Oriental peach moth); Aldrich, 1925c: 135, Va.

Rhyacionia frustrana (Comstock)

Allen, 1962: 11, 116; Cushman, 1927: 618, Va.; Aldrich, 1925c: 135, Va.

Phaloniidae

Phalonia oenotherana Riley

Allen, 1962: 11, 115; Aldrich, 1925c: 135, N.J.

Pyralidae

Pyrausta futilalis (Lederer)

Schaffner, 1959: 11, 51, Mass., N.H., N.J.

Tortricidae

Xenotemna pallorana (Robinson)

Martin, 1958: 47, Ont. (as *Prolixophaga* ex *Tortrix*).

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner, 1959: (11, 51).

Lixophaga "saccharalis Tucker," see *Lixophaga diatraeae*

Lixophaga sphenophori (Villeneuve)

Most records as *Ceromasia sphenophori*.

HOST: COLEOPTERA

Curculionidae

Rhabdoscelus obscurus (Boisduval)

Most records ex *Rhabdocnemis obscura*.

Chong, 1969: 278 (ex New Guinea sugarcane borer, lab.); Anon., 1966d: 502, Hawaii (as *Microceromasia* ex *Rhabdoscelus*); Pemberton, 1951: 401, Hawaii (as *Microceromasia* ex *Rhabdoscelus*); Pemberton, 1948a: 63-64, Hawaii (as *Microceromasia* ex cane borer); Pemberton, 1942: 18, Hawaii (as *Microceromasia*); Pemberton, 1941: 22, Hawaii (as *Microceromasia* "spherophori"); Pemberton, 1940: 17-18, Hawaii (as *Microceromasia*); Box, 1939a: 501, Hawaii; Pemberton, 1939: 19-20, Hawaii; Pemberton, 1938: 20, Hawaii (as New Guinea tachinid fly); Pemberton, 1936: 21, Hawaii; Sweetman, 1936: 355, Hawaii; Bryan, 1934: 416-417, 451, Hawaii (as *Microceromasia*); Pemberton, 1934: 22-23, Hawaii; Swezey, 1934: 340, Hawaii; Pemberton, 1933: 15, Hawaii (as New Guinea parasite); Swezey, 1933: 429, Hawaii; Holloway and Rands, 1932: 464, Hawaii; Pemberton, 1932: 47-48, Hawaii; Pemberton, 1932a: 19, Hawaii (as New Guinea parasite); Swezey, 1932: 680, Hawaii; Anon., 1931: 81, Hawaii; Swezey, 1931: 391, Hawaii; Swezey, 1931b: 425-426, Hawaii; Swezey, 1931c: 325, Hawaii; Williams, 1931: 213-216, 294-296, figs. 11-12 on pl. 33, Hawaii; Swezey, 1930: 278, Hawaii; Swezey, 1929a: 269, Hawaii; Swezey, 1928: 671-672, Hawaii; Swezey, 1928b: 118, Hawaii; Agee, 1927: 73, Hawaii (as Tachinid fly); Holloway, 1927: 67, Hawaii (as "*Ceromesia sphenopheri*" ex weevil borer); Timberlake, 1927: 540-544, figs. 8-9 on pl. 21, Hawaii; Muir and Swezey, 1926: 16, Hawaii (as New Guinea tachinid fly ex cane borer); Muir and Swezey, 1925: 13-14, Hawaii (as New Guinea tachinid ex cane borer); Pemberton, 1925: 174-181, 183-185, Hawaii; Swezey, 1925: 372, Hawaii; Pemberton, 1924: 28-29, Hawaii (ex cane borer); Swezey, 1924: 14, Hawaii; Swezey, 1924a: 16-17, Hawaii (as New Guinea Tachinid ex cane borer); Swezey, 1923a: 303, Hawaii; Agee, 1922: 15, Hawaii (as New Guinea Tachinid ex cane borer); Agee, 1919: 163, Hawaii (as Tachinid parasite ex cane borer); Bridwell, 1919: 166, Hawaii; Swezey, 1918: 380, Hawaii; Agee, 1917: 13-14,

Hawaii (as Tachinid fly ex cane borer); Agee, 1916: 12, Hawaii (as Tachinid fly ex cane borer); Agee, 1916a: 341, Hawaii (as Tachinid fly ex cane borer); Agee, 1916b: 4-5, Hawaii (as Tachinid fly ex cane borer); Howard, 1916: 174-176, Hawaii; Howard, 1916a: 293-294, Hawaii (ex "*Rhabadocnemis*"); Howard, 1916b: 367, 369, Hawaii (ex "*Rhabadocnemis*"); Muir and Swezey, 1916: 16-19, 34-43, frontis., pl. 3, Hawaii; Agee, 1915: 16-17, Hawaii (as cane borer tachinid ex cane borer); Agee, 1915a: 5, Hawaii (as Tachinid fly ex cane borer); Agee, 1915b: 337, Hawaii (as Tachinid fly ex cane borer); Swezey, 1915: 455-456, Hawaii; Agee, 1914: 21, Hawaii (as cane borer Tachinid ex cane borer); Agee, 1914a: 5-6, Hawaii (as cane borer Tachinid ex cane borer); Agee, 1914b: 305, 308 [=306], Hawaii (as cane borer Tachinid ex cane borer); Illingworth, 1914: 390-398, Hawaii; Swezey, 1914: 455-457, Hawaii; Agee, 1913: 9, Hawaii (as cane borer Tachinid ex cane borer); Agee, 1913a: 656, Hawaii (as cane borer Tachinid ex cane borer); Eckart, 1913: 18-20, Hawaii (as cane borer Tachinid ex cane borer); Eckart, 1912: 20-21, Hawaii (as cane borer parasites ex cane borer); Eckart, 1912a: 345-347, Hawaii (as cane borer Tachinid ex cane borer); Eckart, 1912b: 9-11, Hawaii (as cane borer Tachinid ex cane borer); Eckart, 1911: 325-327, Hawaii (as cane borer parasite ex cane borer); Paxton, Waldron, Bottomley, Dowsett and Gartley, 1911: 322, Hawaii (as cane borer parasites ex cane borer); Swezey, 1911: 185, Hawaii (as cane borer parasite ex cane borer); Perkins, R. C. L., 1910: 292-295 (as parasitic fly ex cane borer).

HOST: LEPIDOPTERA

Pyralidae

Diatraea crambidoides (Grote)

Holloway and Loftin, 1919: 60-61, La. (ex *D. saccharalis* var. *crambidoides*, unsuccessful lab. rearing).

STAGE PARASITIZED: Larva (Coleoptera), pupa (Coleoptera).

IMMATURES: Third instar larva — Williams, 1931: (fig. 11 on pl. 33); Timberlake, 1927: (fig. 8 on pl. 21); Muir and Swezey, 1916: (frontis.).

Pupa — Williams, 1931: (fig. 12 on pl. 33); Timberlake, 1927: (fig. 9 on pl. 21); Muir and Swezey, 1916: (frontis., pl. 3).
 BIOLOGY: Williams, 1931: (213-216, 294-296); Howard, 1916: (174-176); Howard, 1916a: (293-294); Howard, 1916b: (367, 369); Muir and Swezey, 1916: (16-19, 34-43); Illingworth, 1914: (390-398); Swezey, 1914: (455-457).

Lixophaga stenomae Curran
 HOST: LEPIDOPTERA

Stenomidae

Stenoma spp.

All records ex *Stenoma* sp. on avocado.

Arnaud, 1963: 120, Costa Rica; Curran, 1935: 24, Costa Rica.

Lixophaga "variabilis," see *Lixophaga diatraeae*

Lixophaga variabilis (Coquillett)

HOST: COLEOPTERA

Bostrichidae

Amphicerus bicaudatus (Say)

Allen, 1962: 113; Aldrich, 1925c: 134, Md. (ex apple twig borer).

Cerambycidae

Oberea bimaculata (Olivier)

Allen, 1962: 113; Aldrich, 1925c: 134, D.C. (ex *O. "maculata"*).

Curculionidae

Lixus scrobicollis Boheman

Allen, 1962: 113 (ex *L. "scrobicollis"*).

Sphenophorus pontederiae Chittenden

Aldrich, 1925c: 134, Mass.

HOST: HYMENOPTERA

Tenthredinidae

Unidentified Tenthredinidae

Coquillett, 1897: 17, 22, Mo. (as *Hypostena*).

Unidentified Hymenoptera

Sawfly(-flies)

Essig, 1926: 579, Canada.

HOST: LEPIDOPTERA

Noctuidae

Anomis erosa Hübner

Allen, 1962: 118; Satterthwait, 1948: 729.

Papaipema cataphracta (Grote)Franklin, 1910: 94, Minn. (as *Hypostena*); Washburn, 1910: 168, [Minn.] (as *Hypostena*); Washburn, 1910a: 94, Minn. (as *Hypostena*).*Papaipema nebris* (Guenée)Allen, 1962: 118; Allen, 1962: 118 (ex *P. nebris nitela* (Guenée)); Decker, 1935: 570, 578, Iowa; Decker, 1931: 344, Iowa (as "*Lixus variabili*" ex *Papaipema* [sp.]); Lowry, 1927: 22 (as *Hypostena*); Washburn, 1910a: 94, Minn. (as *Hypostena* ex *P. nitela*).*Stibadium spumosum* Grote

Allen, 1962: 118; Satterthwait, 1948: 727, 729.

Trichoplusia ni (Hübner)

Allen, 1962: 118.

Olethreutidae

Ancylis comptana (Frölich)

McConnell, 1932: 368-369, Md.

Epiblema otiosanum (Clemens)

Decker, 1935: 570, 578, Iowa; Decker, 1933: 509, Iowa.

Epiblema otiosanum (Clemens) probably

Allen, 1962: 10, 116, N.J.

Epiblema scudderiana (Clemens)

Allen, 1962: 10, N.J.

Epiblema strenuanum (Walker)Allen, 1962: 10, 116, N.J.; Decker, 1935: 570, 578, Iowa; Montgomery, 1933: 189, Ind.; McConnell, 1932: 368, Md.; Allen, 1929: 683, Miss. (ex "*Epiblana*"); Aldrich, 1925c: 134, Ga.*Eumarozia malachitana* (Zeller)Bottimer, 1926: 817, Tex. (ex *Olethreutes*).

Grapholitha molesta (Busck)

Most records ex *Laspeyresia molesta*.

Allen, 1962: 9-10, Conn., Ill., Ky., Mo., N.Y., Ohio, S.C. (ex *Grapholitha*); Fattig, 1949: 20 (ex *Grapholitha*); Stearns and Amos, 1941: 247, Del. (ex *Grapholitha*); McConnell, 1932: 367-369, Md.; Haeussler, 1930: 367, Ga., Md., N.J., Va.; Snapp and Swingle, 1929: 12, Ga.; Stearns, 1928: 4-5, 7, Ga., Md., N.J., Va.; Aldrich, 1925c: 133, Va.; Stearns, 1919: 348 (as *Euzenillia*); Garman, P., 1918: 117, Md. (as *Euzenillia*); Wood, W. B., 1918: 527, E. U.S. (as *Hypostena*); Wood, W. B., and Selkregg, 1918: 70, Va. (as *Hypostena*).

Laspeyresia caryana (Fitch)

Allen, 1962: 116.

Laspeyresia pomonella (Linnaeus)

Most records ex *Carpocapsa pomonella*.

Allen, 1962: 115; Lloyd, 1944: 468-469, Calif., cent. Appalachians (ex codling moth); Hensill, 1933: 603, Calif. (ex codling moth); Stearns, 1928: 4; Essig, 1926: 579, Calif., Canada (ex codling moth); Aldrich, 1925c: 134, Calif.; Johnson, 1925: 188, Conn., Maine, Mass., N.H. (ex "coddling" moth); Brooks, F. E., and Blakeslee, 1915: 47, W. Va. (as *Tachinophyto*); Quaintance, 1908: 443 (as *Hypostena* ex codling moth); Simpson, 1903: 59 (as *Hypostena*).

Rhyacionia rigidana (Fernald)

Allen, 1962: 10, N.J.

Suleima helianthana (Riley)

Satterthwait, 1948: 726, 729; Satterthwait and Swain, 1946: 577, Mo.

Pyralidae

Desmia funeralis (Hübner)

Allen, 1962: 117; Essig, 1926: 579 (ex grape leaf folder); Strauss, 1916: 9, D.C. (as *Tachinophyto*).

Homoeosoma electellum (Hulst)

Satterthwait and Swain, 1946: 577, Mo.

Loxostege similalis (Guenée)

Allen, 1929: 683, Miss.

Ostrinia nubilalis (Hübner)

All records ex *Pyrausta nubilalis*.

Allen, 1962: 117; Wishart, 1943: 27, Ont.

Ostrinia penitalis (Grote)

All records ex *Pyrausta penitalis*.

Allen, 1962: 117; Decker, 1935: 570, Iowa; Poos, 1927: 83, Ohio; Johnson, 1925: 188, Conn., Maine, Mass., N.H.; Chittenden, 1918: 456 (as *Hypostena*); Johnson, 1910: 776, N.J. (as *Hypostena*).

Ostrinia spp. (including *O. obliteralis* (Walker) or *O. penitalis* (Grote))

*Ainslie, G. G., and Cartwright, 1921: 843 (as *Hypostena* ex *Pyrausta penitalis* or *P. ainsliei* Heinrich, Coquillett, 1897); Coquillett, 1897: 17, 27, D.C. (as *Hypostena* "variabilis" ex *Pyrausta penitalis*).

Unidentified Pyralidae

Essig, 1926: 579, Canada.

Unidentified Lepidoptera

Miscellaneous

Aldrich, 1925c: 133, Tenn.

STAGE PARASITIZED: Larva (Hymenoptera, Lepidoptera), pupa (Lepidoptera)

IMMATURES: Third instar larva — Satterthwait and Swain, 1946: (descr.).

Pupa — Satterthwait and Swain, 1946: (descr.); Greene, 1922: (descr., fig. 35 on pl. 8).

BIOLOGY: Allen, 1962: (9-10, 116).

Lixophaga sp. near *variabilis* (Coquillett)

HOST: COLEOPTERA

Curculionidae

Hypera nigrirostris (Fabricius)

Webster, 1909: 11, Md. (as *Anisia* ex *Phytonomus*).

STAGE PARASITIZED: Larva, pupa.

Lixophaga spp., see *Lixophaga orbitalis* or *Lixophaga* spp.

Lixophaga spp.

HOST: COLEOPTERA

Unidentified Coleoptera

Rhynchophora

Townsend, 1913a: 303-304.

HOST: LEPIDOPTERA

Olethreutidae

Laspeyresia pomonella (Linnaeus)

All records ex codling moth.

*Lloyd, 1944: 470, Calif. (Flanders, 1926a); Flanders, 1926: 158, Calif.; Flanders, 1926a: 44, Calif.

Diatraea impersonatella (Walker)

Box, 1960: 910, Guadeloupe (probable parasite); Fretay, 1960: 142, 145, Guadeloupe (ex "*Diatrea*"); Fretay, 1960a: 148, 151, Guadeloupe.

Diatraea saccharalis (Fabricius)

Fretay, 1960: 142, 145, Guadeloupe (ex "*Diatrea*"); Fretay, 1960a: 148, 151, Guadeloupe; Box, 1939a: 497-513, St. Kitts.

STAGE PARASITIZED: Larva (Coleoptera, Lepidoptera), adult (Coleoptera).

BIOLOGY: Flanders, 1926: (158); Townsend, 1913a: (303-304).

Gen. and sp. near *Lixophaga*

HOST: HYMENOPTERA

Unidentified Hymenoptera

Sawfly(-flies)

Procter, 1946: 436, Maine.

"*Lixophoga*" *diatraeae*, see *Lixophaga diatraeae*

"*Lixus variabili*," see *Lixophaga variabilis*

Long-legged *Tachina* fly, see Tachinidae

Lophosiocera sp., see *Elfia* spp.

Lydella Robineau-Desvoidy (Goniinae: Eryciini)

Lydella deckeri (Curran)

All records as *Erycia deckeri*.

HOST: LEPIDOPTERA

Noctuidae

Papaipema nebris (Guenée)

Arnaud, 1963: 113, Iowa; Decker, 1935: 569, 578, Iowa; Curran, 1929: 13, Iowa.

STAGE PARASITIZED: Larva.

Lydella delecta, see *Pilatea delecta**Lydella* "doryphora," see *Doryphorophaga doryphorae**Lydella doryphorae*, see *Doryphorophaga doryphorae**Lydella grisescens*, see *Lydella thompsoni**Lydella nigrita*, see *Lydella radialis**Lydella radialis* (Townsend)

HOST: LEPIDOPTERA

Noctuidae

Achatodes zeae (Harris)Decker, 1935: 568, 578, Iowa (as *Masicera senilis* Meigen).*Archanara oblonga* (Grote)Most records ex *Archanara subcarnea* (Kellicott).Decker, 1935: 568, 578, Iowa (as *Masicera senilis*); Cole, 1931: 11, 39, Mich., Ohio (as *Masicera senilis*); Cole, 1929: 225, Mich. (as *Masicera senilis* ex "*Arachnara*"); Townsend, 1916a: 19, Pa. (as *Andrina* ex *Nonagria oblonga*).*Arzama densa* Walker

Vogel and Oliver, 1969: 752, La.

Arzama obliqua (Walker)Guppy, R., 1950: 4, B.C. (as *L. nigrita* Townsend); Schaffner and Griswold, 1934: 62-63, 119, Mass. (as *Ceromasia senilis*); Cole, 1931: 11, 39, Idaho (as *Sturmia nigrita*); Claassen, 1921: 503, N.Y. (as *Sturmia nigrita*); Coquillett, 1897: 18, 24 (as *Masicera myoidaea* (Robineau-Desvoidy) ex *A. "obliquata"*).*Hydroecia immanis* GuenéeHawley, 1918: 169, N.Y. (as *Masicera "myoidea"* ex *Gortyna*).*Luperina stipata* (Morrison)Baker, W. A., Bradley and Clark, 1949: 53-54 (as *L. nigrita*); Decker, 1935: 568, 578, Iowa (as *Masicera senilis*); Decker, 1930: 159, Iowa (as *Masicera senilis*).*Macronoctua onusta* Grote*Vide Baker, W. A., Bradley and Clark, 1949: 53-54 (as *L. nigrita* ex "*Macronoctus*," Breakey, 1931); Decker, 1935: 568, 578, Iowa (as *Masicera senilis*); Schaffner and Griswold, 1934: 53, 119, Mass. (as *Ceromasia senilis*); Breakey, 1931: 43, Wis. (as *Masicera senilis*); Decker, 1930: 159, Iowa (as *Masicera senilis*); Breakey, 1929: 460, 462, Wis. (as *Masicera senilis*).

Papaipema appassionata (Harvey)

Most records ex *Papaipema* "*appassionata*."

Curran, 1927a: 19, Ont. (as *Erycia myoidaea* ex *P. appassionata*); Winn and Beaulieu, 1915: 142, Que. (as *Masicera* "*myoidea*"); Fletcher, 1907: 102, Ont. (as *Masicera myoidaea*).

Papaipema araliae Bird and Jones

Bird, H., and Jones, 1921: 139, Del. (as *Masicera* "*seniles*").

Papaipema arctivorens Hampson

Decker, 1935: 568, 578, Iowa (as *Masicera senilis*).

Papaipema cataphracta (Grote)

Decker, 1935: 568, 578, Iowa (as *Masicera senilis*); Decker, 1930: 159, Iowa (as *Masicera senilis*); Washburn, 1910a: 94, Minn. (as *Masicera myoidaea*).

Papaipema frigida (Smith)

Decker, 1935: 568, 578, Iowa (as *Masicera senilis*).

Papaipema nebris (Guenée)

*Vide Baker, W. A., Bradley and Clark, 1949: 53-54 (as *L. nigrita*, Decker, 1931; Lowry, 1927); Decker, 1935: 567-569, 578, Iowa (as *Masicera senilis*); Schaffner and Griswold, 1934: 62, 119 (as *Ceromasia senilis*); Schaffner and Griswold, 1934: 62, 118, Mass., N.H. (as *Sturmia nigrita*); Decker, 1931: 343-344, Iowa (as *Masicera senilis*); Decker, 1930: 159, Iowa (as *Masicera senilis*); Lowry, 1927: 22, N.H. (as *Masicera senilis*); Lowry, 1927: 22 (as *Masicera myoidaea*); Bird, H., 1925: 305 (as *Masicera senilis*); Johnson, 1925: 201, Maine, Mass. (as *Paraphorocera myoidaea* ex *P. nitela* (Guenée)); Britton, 1920: 182, Conn. (as *Masicera* "*myoidea*" ex *P. nitela*); Vinal and Caffrey, 1919: 58, Mass. (as *Masicera* "*myoidea*" ex *P. nitela*); Franklin, 1912: 94, Minn. (as *Masicera myoidaea* ex *P. nitela*); Washburn, 1910: 168 (as *Masicera myoidaea* ex *P. nitela*); Washburn, 1910a: 94, Minn. (as *Masicera myoidaea* ex *P. nitela*); Coquillett, 1897: 18, 25, Mass. (as *Masicera myoidaea* ex *Hydroecia nitela*); Brauer and Bergenstamm, 1895: 561, 593, N. Amer. (as (*Masicera*) *nigrita* ex *Gortyna nitela*).

Papaipema pterisii Bird

Bird, H., 1927: 95 (as *Masicera senilis*).

Papaipema purpurifascia (Grote and Robinson)

Decker, 1935: 568, 578, Iowa (as *Masicera senilis*); Tothill, 1913: 73, Ont. (as *Masicera* "*myoidea*").

Papaipema stenoscielis Dyar

Bird, H., 1936: 120 (as *L. senilis*).

Papaipema spp.

Decker, 1930: 159, Iowa (as *Masicera senilis*).

Olethreutidae

Epiblema otiosanum (Clemens)

Decker, 1935: 568, 578, Iowa (as *Masicera senilis* ex "*Epibleme*"); Decker, 1933: 509, Iowa (as *Masicera senilis*).

Pyralidae

Ostrinia nubilalis (Hübner)

Most records ex *Pyrausta nubilalis*.

Johnson, 1925: 201, Maine, Mass. (as *Paraphorocera myoidaea* ex European corn-borer); Bird, H., 1923a: 200 (as *Masicera senilis* ex European corn borer); Thompson, 1923: 34, Mass. (as *Andrina* ex *P. nubilalis*"); Caffrey, 1919: 21, Mass. (as *Masicera myoidea*"); Vinal and Caffrey, 1919: 57-58, Mass. (as *Masicera myoidea*").

Unidentified Lepidoptera

Miscellaneous

Townsend, 1916a: 19 (as *Andrina* ex larvae boring in roots of plants).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., figs. 80-81 on pl. 17).

BIOLOGY: Guppy, R., 1950: (4); Decker, 1935: (567-569, 578); Schaffner and Griswold, 1934: (62, 118-119); Decker, 1931: (343-344); Breakey, 1929: (460, 462); Lowry, 1927: (22); Claassen, 1921: (503).

Lydella radialis (Townsend) probably

HOST: LEPIDOPTERA

Noctuidae

Achatodes zeae (Harris)

Silver, J. C., 1933: 17, Mich. (as *Masicera* sp. probably "*myoidea*" (Robineau-Desvoidy)).

Papaipema nebris (Guenée)

Townsend, 1893: 467, Ill. (as *Masicera nigrita* Townsend ex *Gortyna nitela* Guenée).

Papaipema spp.

Bird, H., 1909: 66 (as *Masicera myoidaea*).

STAGE PARASITIZED: Larva.

BIOLOGY: Silver, J.C., 1933: (17).

Lydella senilis, see *Lydella radialis*

Lydella stabulans, see *Lydella thompsoni*

Lydella stabulans "gresecens," see *Lydella thompsoni*

Lydella stabulans *grisescens*, see *Lydella thompsoni*

Lydella thompsoni Herting

HOST: LEPIDOPTERA

Noctuidae

Papaipema nebris (Guenée)

Hsiao and Holdaway, 1966: 125-133, Minn. (as *L. grisescens* Robineau-Desvoidy); Hsiao and Holdaway, 1962: 144 (as *L. grisescens*); York, Schaffner and Brindley, 1955: 765, Iowa (as *L. stabulans grisescens*).

Pyralidae

Galleria mellonella (Linnaeus)

Hsiao and Holdaway, 1962: 144 (as *L. grisescens*, lab.).

Ostrinia nubilalis (Hübner)

Most records ex European corn borer.

Petty, 1967: 29, Ill. (as *Lydella* sp. ex *O. nubilalis*); Franklin, R. T., and Holdaway, 1966: 440-441, Minn. (as *L. grisescens* ex *O. nubilalis*); Hsiao and Holdaway, 1966: 125-133, Minn. (as *L. grisescens* ex *O. nubilalis*); Anon., 1963d: 1029, Wis. (as *L. grisescens* ex *O. nubilalis*); Anon., 1963e: 1337, Md. (as *L. grisescens*); Sparks, Raun and Carter, 1963: 20-21, Iowa (as *L. grisescens* ex *O. nubilalis*); Anon., 1962a: 16-17, U.S. (as *L. grisescens* ex *O. nubilalis*); Anon., 1962b: 266, Kans. (as *L. grisescens*); Hsiao and Holdaway, 1962: 144 (as *L. grisescens* ex *O. nubilalis*); Van Denburgh, Burbutis and York, 1962: 11-14, Del. (as *L. stabulans grisescens* ex *O. nubilalis*); Anon., 1961c: 280, Del. (as *L. grisescens*); Anon., 1961d: 639, Wis. (as *L. grisescens*); Jarvis and York, 1961: 213-214, Iowa (as *L. grisescens* ex *Pyrausta nubilalis*); Manson, Wressell, Begg and Miller, 1960: 53, Ont. (as *Lydella* sp. ex *O. nubilalis*); Wressell, Driscoll and Svec, 1959: 240, Ont. (as *Lydella* sp. ex *O. nubilalis*); Anon., 1958d: 194,

Wis. (as *L. grisescens* ex *Pyrausta nubilalis*); Anon., 1958f: 668, Wis. (as *L. grisescens* ex *Pyrausta nubilalis*); Anon., 1958g: 755, Wis. (as *L. grisescens* ex *Pyrausta nubilalis*); Jackson and Peters, 1958: 626, Mo. (as *Lydella* sp. ex *Pyrausta nubilalis*); Anon., 1957d: 240, Wis. (as *L. grisescens* ex *Pyrausta nubilalis*); Anon., 1957e: 460, Wis. (as *L. grisescens* ex *Pyrausta nubilalis*); Anon., 1956c: 274, Wis. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Clausen, 1956: 7, 42-43, 111-112, E., mid-Atlantic, N. cent. U.S. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Anon., 1955: 17 (as *L. stabulans* var. *grisescens* ex *Pyrausta nubilalis*); Arbuthnot, 1955: 91-93, Conn. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Udine, 1955: 722, Pa. (as *L. stabulans*, probable parasite, incomplete rearing — pupa); York, 1955: 65, Ark., N. Cent. U.S., Okla., Tenn. (as *L. grisescens* ex *Pyrausta nubilalis*); York, Schaffner and Brindley, 1955: 765-766, Iowa (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Anon., 1954i: 438, Minn. (as *L. stabulans grisescens*); Harris, 1954: 152, Iowa (as *Lydella* flies); Haut, 1954: 61-62, Md. (as *L. stabulans grisescens*); Lannon, 1954: 70, R.I. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Parks and Goleman, 1954: 500, Ohio (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Weiss, 1954: 196, N.J. (as *L. grisescens*); Welch, 1954: 54-55, Ky. (as *L. stabulans* "gresecens"); Arbuthnot, 1953: 30-31 (as *L. stabulans grisescens*); Bissell, 1953: 127, Md. (as *L. stabulans grisescens* ex *Pyrausta* "nibilalis"); Blickenstaff, Arbuthnot and Harris, 1953: 339-353, Iowa (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Boyes and Wilkes, 1953: 126, 146, Ont. (as *L. grisescens* ex *Pyrausta nubilalis*); Burkhardt, 1953: 67, Kans. (as *L. stabulans grisescens*); Hibbs, 1953: 58-59, Ohio (as *L. stabulans grisescens*); Parks, 1953: 670, Ohio (as *L. stabulans grisescens* ex *Pyrausta nubilalis*, incomplete rearing — pupa); Weiss, 1953: 192, N.J. (as *L. grisescens*); Welch, 1953: 49, Ky. (as *L. stabulans grisescens*); Anon., 1952a: 287, 290, 294, E. U.S. (as *L. grisescens* ex *Pyrausta nubilalis*); Arbuthnot, 1952: 19-21, Ill., Ind., Iowa, Kans., Ky., Minn., Mo., N. Dak., Nebr., Ohio, S. Dak., Wis. (as *L. stabulans grisescens*); Arbuthnot and Wright, 1952: 223, 225-230, Ill., N.J. (as *L. stabulans grisescens* ex

Pyrausta nubilalis); Chambers, 1952: 233, Wis. (as *Lydella stabulans grisescens* ex *Pyrausta nubilalis*); Chambers, 1952a: 267, Wis. (as *Lydella stabulans grisescens* ex *Pyrausta nubilalis*); Chambers, 1952b: 357, Wis. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Cory, McConnell, Arbuthnot and Jones, 1952: 2-7, Md. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Decker, 1952: 431, Ill. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Harris, 1952: 143-144, Iowa (as *L. stabulans grisescens*); Haut, 1952: 50, Md. (as *L. stabulans grisescens*); Lannon, 1952: 16, R.I. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Munro, Post and Nelson, 1952: 128, N. Dak. (as *Lydella* [sp.]); Weiss, 1952: 181, N.J. (as *L. grisescens*); Welch, 1952: 38, Ky. (as *L. stabulans grisescens*); Wilson, M. C., 1952: 161, Ind. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Andre, 1951: 39-40, Iowa (as *L. stabulans grisescens*); Cooper, 1951: 18, Ky. (as *L. stabulans grisescens*); Harris, 1951: 138-141, Iowa (as *L. stabulans grisescens*); Haut, 1951: 48, Md. (as *L. stabulans grisescens*); Weiss, 1951: 163, N.J. (as *L. grisescens*); Wilson, M. C., 1951: 222-225, Ind. (as *L. stabulans grisescens*); Wilson, M. C., 1951a: 41, Ind. (as *L. grisescens*); Arbuthnot, 1950: 44-46, Ill., Ind., Mich., Minn., Mo., Wis. (as *L. stabulans grisescens*); Arbuthnot, 1950a: 423-424 (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Cooper, 1950: 14, Ky. (as *L. stabulans grisescens*); Cory, Foster, McConnell, Bissell, Langford and Ditman, 1950: 22-24, fig. 14, Md. (as *L. stabulans grisescens* ex *Pyrausta "vubilalis"*); Harris, 1950: 141, 146-159, Iowa (as *L. grisescens*); Harris and Lilly, 1950: 247, Iowa (as *L. grisescens*); Weiss, 1950: 170, N.J. (as *L. grisescens*); Wilson, M. C., 1950: 11, Ind. (as *L. grisescens* ex corn borer); Wishart, 1950: 48, Ont. (as *L. grisescens*); Arbuthnot, Jones, Carter and Evans, 1949: 2-14, 16-24, Conn., Del., Ill., Ind., Iowa, Ky., Mass., Md., Mich., Minn., Mo., N.C., N.J., N.Y., Ohio, Pa., R.I., Va., Wis. (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Baker, W. A., Bradley and Clark, 1949: 3, 6, 8-9, 12, 21, 23-24, 26-27, 38-40, 53-56, 166-170, 182, fig. 38B, Conn., Mass., Ohio (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Cooper, 1949: 26, Ky. (as *L. stabulans* var. *grisescens*); Harris,

1949: 129-131, Iowa (as *L. grisescens*); Jones, D. W., and Arbuthnot, 1949: 57, Ill., Iowa, Ky., Ohio (as *L. stabulans grisescens*); MacCreary, 1949: 22, Del. (as *L. grisescens*); MacCreary and Rice, 1949: 141-153, Del. (as *L. stabulans grisescens ex Pyrausta nubilalis*); Weiss, 1949: 157, N.J. (as *L. grisescens*); Wilson, M.C., 1949: 83, Ind. (as *L. stabulans grisescens*); Wilson, M.C., 1949a: 157-159, Ind. (as *L. grisescens*); Anon., 1948: 284, 290, 294, Ont., U.S. (as *L. grisescens ex Pyrausta nubilalis*); Anon., 1948a: 354, 361, 368, U.S. (as *L. grisescens ex Pyrausta nubilalis*); Arbuthnot, Jones, Carter and Evans, 1948: 1-13, Del., Ill., Ind., Iowa, Ky., Md., Mich., Minn., Mo., N.C., New England, N.J., N.Y., Ohio, Pa., Va., Wis. (as *L. grisescens ex Pyrausta nubilalis*); Cooper, 1948: 41, Ky. (as *L. stabulans* var. *grisescens*); Harris, 1948: 129-138, Iowa (as *L. grisescens*); MacCreary, 1948: 21-22, Del. (as *L. grisescens*); Weiss, 1948: 170, N.J. (as *L. grisescens*); Wilson, M. C., 1948: 10-11, Ind. (as *L. grisescens*); Anon., 1947: 185, 192, 198, U.S. (as *L. grisescens ex Pyrausta nubilalis*); Arbuthnot, 1947: 30-32, Ind., Iowa, Ky., Mich., Ohio (as *L. grisescens*); Arbuthnot, Jones, Carter and Cosenza, 1947: 1, E. U.S. (as *L. stabulans* var. *grisescens*); Clark, N., and Hoveland, 1947: 38, Wis. (as *L. grisescens ex corn borer*); Cooper, 1947: 28, Ky. (as *L. stabulans grisescens*); Deay, 1947: 68, Ind. (as *L. grisescens*); Drake, 1947: 121-129, Iowa (as *L. grisescens*); Jones, D. W., Carter and Cosenza, 1947: 2-6, Del., Ill., Ind., Ky., Mass., Mich., New England, N.J., N.Y., Ohio, Va., Wis. (as *L. grisescens*); MacCreary, 1947: 26, Del. (as *L. grisescens*); Ritcher, 1947: 19-20, 22, fig. 17, Ky. (as *L. stabulans grisescens ex Pyrausta nubilalis*); Weiss, 1947: 161, N.J. (as *L. grisescens*); Wright, 1947: 33, Ill. (as *L. grisescens*); Clark, C. A., and Jones, 1946: 2-10, Conn., Del., Ill., Ind., Iowa, Ky., Mass., Mich., N.C., N.J., N.Y., Ohio, Pa., Va., Wis. (as *L. grisescens*); Cooper, 1946: 30, Ky. (as *L. grisescens*); Cory, 1946: 147-148 (as *L. grisescens*); Deay, 1946: 11, Ind. (as *L. grisescens*); Drake, 1946: 171-176, Iowa (as *L. grisescens*); Weiss, 1946: 153, N.J. (as *L. grisescens*); Clark, C. A., 1945: 1-5, Conn., Del., Mass., Mich., N.J., Ohio, R.I., Va. (as *L. grisescens*); Clark, C. A., 1945a: 1-2, Conn., Mass., N.J. (as *L. grisescens*); Clark, C. A., and Jones, 1945:

1-2, Conn., Mass., N.J. (as *L. grisescens*); Drake, Harris and Blickenstaff, 1945: 100-107, Iowa (as *L. grisescens*); Drake, Harris and Tauber, 1945: 68, Iowa (as *L. grisescens*); Gardiner, 1945: 66, Ont. (as *L. stabulans* Robineau-Desvoidy ex *Pyrausta nubilalis*); Rice and Wolfenbarger, 1945: 21, Del. (as *L. grisescens*); Gardiner, 1944: 66, Ont. (as *L. stabulans* ex *Pyrausta nubilalis*); Rice, Wolfenbarger and Chada, 1944: 23-24, Del. (as *L. grisescens* ex *Pyrausta nubilalis*); Wishart, 1944: 12-13, Ont. (as *L. grisescens* ex *Pyrausta nubilalis*); Clark, C. A., 1943: 1-3, Conn., Mass., N.J., Ohio, Va. (as *L. grisescens* ex *Pyrausta nubilalis*); Clark, C. A., 1943a: 1-2, Mass., N.J. (as *L. grisescens*); Clark, C. A., 1943b: 2-8, Conn., Mass., Mich., N.J., Ohio, S.E. New England, Va. (as *L. grisescens*); Clark, C. A., and Carter, 1943: 120, Conn., Mass. (as *L. grisescens*); Gardiner, 1943: 55, Ont. (as *L. stabulans* ex *Pyrausta nubilalis*); Wishart, 1943: 26-29, Ont. (as *L. stabulans* ex *Pyrausta nubilalis*); Gardiner, 1942: 58, Ont., Que. (as *L. stabulans* var. *grisescens* ex *Pyrausta nubilalis*); Bradley, W. G., and Clark, 1941: 788-790, 793-794, Conn., Mass., Mich., N.J., Ohio, Va. (as *L. stabulans* var. *grisescens*); Clark, C. A., 1941: 621, Conn., Mass. (as *L. grisescens*); Bradley, W. G., and Clark, 1940: 526, 528-532, Conn., Mass., Mich., N.J., Ohio, Va. (as *L. stabulans* var. *grisescens*); Bradley, W. G., and Clark, 1939: 528, 530-532, 534, Conn., Mass., Mich., N.J., Ohio, Va. (as *L. stabulans* var. *grisescens*); Bradley, W. G., and Clark, 1939: 528, Ind. (as *Lydella* sp.); Jones, D. W., Walker and Anderson, 1939: 1645-1646, Va. (as *L. stabulans* var. *grisescens* ex *Pyrausta nubilalis*); Baker, W. A., and Bradley, 1938: 345-347, Conn., Mass., Md., Mich., N.J., Ohio (as *L. stabulans* var. *grisescens* ex *Pyrausta nubilalis*); Bradley, W. G., and Clark, 1938: 650-652, 655-656, Conn., Mass., Mich., N.J., Ohio, Va. (as *L. stabulans grisescens*); Baird, 1937: 66, Canada (as *L. stabulans grisescens* ex *Pyrausta nubilalis*); Baird, 1937: 66, Canada (as *Ceromasia lepida* (Meigen) ex *Pyrausta nubilalis*); Clark, C. A., 1934: 18-20, 31, 35, U.S. (as *L. grisescens* ex *Pyrausta nubilalis*); Wishart and Thomas, 1933: 40, E. Canada (as *Masicera senilis* Meigen ex *Pyrausta nubilalis*); Jones, D. W., 1929: 2-3, 24-26, Mass. (as *Masicera senilis* ex *Pyrausta nubilalis*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Cory, Foster, McConnell, Bissell, Langford and Ditman, 1950: (descr., fig. 14); Baker, W. A., Bradley and Clark, 1949: (fig. 38B); Ritcher, 1947: (fig. 17).

BIOLOGY: Hsiao and Holdaway, 1966: (125-133); Jarvis and York, 1961: (213-214); Clausen, 1956: (7, 42-43, 111-112); Anon., 1955: (17); Andre, 1951: (39-40); Cory, Foster, McConnell, Bissell, Langford and Ditman, 1950: (22-24); Baker, W. A., Bradley and Clark, 1949: (3, 6, 8-9, 12, 21, 23-24, 26-27, 38-40, 53-56, 166-170, 182); Jones, D. W., 1929: (2-3, 24-26).

Lydella sp., see *Blondelia* spp. probably or *Lydella thompsoni*

Lydella sp. probably

HOST: HYMENOPTERA

Argidae

Arge clavicornis (Fabricius) complex

Gobeil, 1937: 87, Ont. (ex *Hylotoma macleayi* Leach).

STAGE PARASITIZED: Pupa.

Lydellohoughia Townsend (Goniinae: Blondeliini)

Lydellohoughia dimmocki, see *Eucelatoriopsis dimmocki*

Lydellohoughia tenella (Reinhard)

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Tuber moth(-s)

Reinhard, 1937: 66, Calif. (as *Dexodes* ex tuber moth on potato tops, probable host).

Lydellohoughia sp.

HOST: LEPIDOPTERA

Pyralidae

Cone moth(-s) probably

Keen, 1958: 70.

Lydinolydella Townsend (Goniinae: Blondeliini)

Gen. and sp. near *Lydinolydella*

HOST: LEPIDOPTERA

Tortricidae

Archips rosanus (Linnaeus)

Schaffner, 1959: 31, 50, Mass. (as *Compsilurini*, near *Lydinolydella* sp. (?)).

BIOLOGY: Schaffner, 1959: (31, 50).

Lypha Robineau-Desvoidy (Tachininae: Lyphini)

Lypha intermedia Brooks

HOST: LEPIDOPTERA

Gelechiidae

Anacampsis innocuella (Zeller)

Raizenne, 1952: 237, Ont.

Olethreutidae

Sciaphila duplex (Walsingham)

Brooks, 1945: 86, Ont.

Lypha setifacies (West)

HOST: LEPIDOPTERA

Tortricidae

Choristoneura conflictana (Walker)

Prentice, 1955: 471, Man., Sask.

Choristoneura fumiferana (Clemens)

Blais, 1965: 131-134, Que.; MacDonald and Webb, 1963: 299, N.B.; Miller, 1963: 237, 239, N.B.; Blais, 1960: 388, 390-392, Que. (ex spruce budworm); Coppel, 1960: 94, 97, B.C.; Carolin and Coulter, 1959: 552-553, Oreg.; McGugan and Blais, 1959: 763, 765, 768, 774-775, Ont.; Coppel, 1953: 191-192, B.C.; Dowden, Jaynes and Carolin, 1953: 309, Maine; Anon., 1952g: 287, 292, 296, B.C.; Jaynes and Drooz, 1952: 1058, 1060, Maine, N.Y.; Ross, 1952: 108, fig. 9, Canada; Dowden and Carolin, 1950: 778-779, N.Y. (ex *Archips*); Wilkes, Coppel and Mathers, 1949: 140, 146, 149, 151, 153, B.C.; Dowden, Buchanan and Carolin, 1948: 458 (ex *Archips*); Coppel, 1947: 40, B.C. (ex *Archips*); Wilkes and Anderson, 1947: 41, Ont. (ex *Archips*); Brooks, 1945: 84, Ont., Que. (ex *Archips*).

Choristoneura pinus Freeman

Allen, D. C., Knight, Foltz and Mattson, 1969: 1471-1472, 1474-1475, Mich.; Dixon and Benjamin, 1963: 267-270, Wis.; Benjamin and Drooz, 1954: 589-590, Mich.

Choristoneura rosaceana (Harris)

Brooks, 1945: 84, Que. (ex *Archips*).

Croesia albicomana (Clemens)

Cochaux, 1968: 104, 106, Que. (ex *C. semipurpurana* (Kearfott)).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Ross, 1952: (fig. 9).

BIOLOGY: Cochaux, 1968: (104, 106); Miller, 1963: (237, 239); Coppel, 1947: (40).

Lypha sp.

HOST: LEPIDOPTERA

Tortricidae

Sparganothis pettitana (Robinson)

Raizenne, 1952: 203, Que.

Macquartia Robineau-Desvoidy (Dexiinae: Macquartiini)

Macquartia pristis, see *Anaporia pristis*

"*Macquartia*" spp.

HOST: COLEOPTERA

Unidentified Coleoptera

Miscellaneous

*Brauer and Bergenstamm, 1895: 560, 588, N. Amer. (Townsend, 1893); Townsend, 1893: 467, Ill. (as *Macquartia* sp. ?).

HOST: LEPIDOPTERA

Arctiidae

Halisidota argentata Packard

Rawlings, 1960: 56, Calif. (ex "*Euchausia*").

STAGE PARASITIZED: Larva (Coleoptera).

Gen. and sp. of Marquartiidae, see Tachinidae

Macromeigenia chrysoprocta, see *Mystacella chrysoprocta*

"*Macrophthalma*" *disjuncta*, see *Microphthalma disjuncta*

"*Madremeyia*" *saundersii*, see *Madremyia saundersii*

Madremyia saundersii, see *Madremyia saundersii*

Madremyia Townsend (Goniinae: Eryciini)

Madremyia saundersii (Williston)

HOST: COLEOPTERA

Curculionidae

Hypera postica (Gyllenhal)

Michelbacher, 1943: 20, Calif.

HOST: LEPIDOPTERA

Danaidae

Danaus plexippus plexippus (Linnaeus)

Weaver, 1969: 71, W. Va. (ex *D. plexippus*).

Geometridae

Cingilia catenaria (Cramer)

Franklin, 1950: 57; Schaffner and Griswold, 1934: 98, 115.

Coryphista meadii (Packard)

Neiswander, 1941: 388, Ohio.

Deuteronomos magnarius (Guenée)

All records ex *Ennomos magnarius*.

*Aldrich and Webber, 1924: 88 (Tothill, 1913); Tothill, 1913: 73, N.B. (as *Phorocera*).

Ennomos subsignarius (Hübner)

Schaffner and Griswold, 1934: 99-100, 115, Mass.

Lambdina fiscellaria (Guenée)

Schaffner and Griswold, 1934: 99, 115 (ex *Ellopi*a).

Lambdina fiscellaria fiscellaria (Guenée)

Carroll, 1956: 594, Nfld.; Reeks, Forbes and Cuming, 1947: 13, Nfld. (ex *L. fiscellaria*).

Lambdina fiscellaria somnaria (Hulst)

Chamberlin, 1931: 1038, Oreg. (ex *Ellopi*a somnaria).

Lasiocampidae

Malacosoma disstria Hübner

Schaffner and Griswold, 1934: 89, 115.

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

Aldrich and Webber, 1924: 88 (ex *E. "chrysorrhoea"*).

Nygmia phaeorrhoea (Donovan)

Burgess and Crossman, 1929: 143 (as *Phorocera*).

Noctuidae

Agrotis ipsilon (Hufnagel)

All records ex *Agrotis ypsilon*.

Franklin, 1950: 57; *Crumb, 1929: 59 (Aldrich and Webber, 1924); Aldrich and Webber, 1924: 88, Calif.

Autographa californica (Speyer)

Clancy, 1969: 1079-1080, Calif.; Seidel, 1954: 186, Wash. (ex *A. "california"*); Essig, 1926: 582, Wash; *Aldrich and Webber, 1924: 88 (Hyslop, 1912); Hyslop, 1912: 117, probably Wash. (as *Phorocera* ex *A. gamma californica*).

Epiglaea apiata (Grote)

Franklin, 1950: 57.

Peridroma saucia (Hübner)

*Crumb, 1929: 40, 115 (ex *Lycophotia*, Aldrich and Webber, 1924); Essig, 1926: 582, Calif., Oreg. (ex *Lycophotia margaritosa* (Haworth)); Aldrich and Webber, 1924: 88 (ex *Lycophotia margaritosa*); Essig, 1915: 329, 401, Calif. (as *Phorocera* ex *Lycophotia margaritosa*); Lovett, 1915: 145, Oreg. (as *Phorocera* ex *P. margaritosa saucia*); Chittenden, 1901a: 61, Oreg. (as *Phorocera*).

Pseudaletia unipuncta (Haworth)

Pond, 1960: 665, N.B.

Trichoplusia ni (Hübner)

Oatman, 1966: 1138, Calif.

Xylena nupera (Lintner)

Franklin, 1950: 57.

Nymphalidae

Nymphalis antiopa (Linnaeus)

All records ex *Euvanessa antiopa*.

*Aldrich and Webber, 1924: 88 (Tothill, 1913); Tothill, 1913: 73-74, Ont. (as *Phorocera*).

Speyeria cybele (Fabricius)

All records ex *Argynnis cybele*.

*Aldrich and Webber, 1924: 88 (Williston, 1889); *Brauer and Bergenstamm, 1895: 569, 583 (as (*Phorocera*), Williston, 1889); Williston, 1889: 1914, 1922 (as *Phorocera*).

Vanessa cardui (Linnaeus)

Lange, 1941: 67, Calif.

Vanessa carye Hübner

Essig, 1926: 582, Calif.; Coolidge, 1925: 147, Calif. (as *Phorocera*).

Olethreutidae

Sciaphila duplex (Walsingham)

McGregor, 1967: 1215.

Pieridae

Pieris occidentalis Reakirt

Aldrich and Webber, 1924: 88, Idaho.

Pieris rapae (Linnaeus)

Oatman, 1966: 1136-1138, Calif.; Harcourt, 1963: 65, Ont.;
Coppel and Maw, 1954a: 321 (lab.).

Pyralidae

Ostrinia nubilalis (Hübner)

Coppel and Maw, 1954a: 321-322 (ex *Pyrausta*, lab.).

Tortricidae

Acleris variana (Fernald)

Miller, C. A., 1966: 603, N.B.

Choristoneura conflictana (Walker)

Prentice, 1955: 471, Man., Sask.

Choristoneura fumiferana (Clemens)

Blais, 1965: 131, Que. (as *Madremya*); Miller, 1963: 237, 239, N.B.; Blais, 1960: 388, 390, Que. (as *Madremya* ex spruce budworm); Coppel, 1960: 94, 97, B.C.; Carolin and Coulter, 1959: 552-554, Oreg.; Coppel and Maw, 1954a: 314-322, figs. 1-16, B.C.; Boyes and Wilkes, 1953: 126, 147; Coppel, 1953: 191-192, B.C.; Anon., 1952b: 178, 184-185, B.C.; Anon., 1952g: 287, 292, 295, B.C.; Ross, 1952: 108, fig. 6, Canada; Anon., 1950c: 236, 245, 248, B.C.; Dowden and Carolin, 1950: 778-779, N.Y. (ex *Archips*); Anon., 1949: 270, 282, 285, B.C.; Wilkes, Coppel and Mathers, 1949: 146, 149, 151, 153, B.C.; Anon., 1948: 284, 293, 295, 297, B.C.; Anon., 1948a: 354, 366, 368-371, B.C.; Dowden, Buchanan and Carolin, 1948: 458-463 (as "*Madremeyia*" ex *Archips*); Bedard, 1938: 191 (ex *Cacoecia*).

Choristoneura parallela (Robinson)

Franklin, 1950: 57 (ex *Archips*); Johnson, 1925: 199, Mass. (ex *Cacoecia*).

Choristoneura pinus Freeman

Allen, D. C., Knight, Foltz and Mattson, 1969: 1471-1472, 1474-1475, Mich.; Dixon and Benjamin, 1963: 267, Wis.; Kulman and Hodson, 1961: 221-222, Minn.

Unidentified Lepidoptera

Looper(-s)

Knowlton, 1936: 242, Utah.

Miscellaneous

Essig, 1926: 582.

STAGE PARASITIZED: Larva (Coleoptera, Lepidoptera), pupa (Lepidoptera), adult (Lepidoptera [Weaver, 1969: 71]).

IMMATURES: Egg — Coppel and Maw, 1954a: (descr., fig. 1)

First instar larva — Coppel and Maw, 1954a: (descr., figs. 2-5, 7).

Second instar larva — Coppel and Maw, 1954a: (descr., figs. 6, 8-9).

Third instar larva — Coppel and Maw, 1954a: (descr., figs. 10-13).

Pupa — Coppel and Maw, 1954a: (descr., figs. 14-16); Ross, 1952: (fig. 6); Greene, 1922: (descr., fig. 24 on pl. 6).

BIOLOGY: Clancy, 1969: (1079-1080); Miller, 1963: (237, 239); Coppel and Maw, 1954a: (314-322); Seidel, 1954: (186); Schaffner and Griswold, 1934: (115).

"*Masicera*" sp., see "*Masicera*" spp.

Masicera Macquart (Goniinae: Eryciini)

Masicera albifacies, see *Oswaldia albifacies*

Masicera "albifacies," see *Oswaldia albifacies*

Masicera arator, see *Pilatea arator*

Masicera archippivora, see *Lespesia archippivora*

Masicera datanarum, see *Lespesia datanarum*

Masicera dubia, see *Lespesia dubia*

Masicera eufitchiae, see *Blondelia eufitchiae*

Masicera "eufitchii," see *Blondelia eufitchiae*

Masicera exilis, see *Eribella exilis*

Masicera sp. near *exilis*, see *Eribella* sp. near *exilis*

Masicera frenchii, see *Lespesia frenchii*

Masicera myoidaea, see *Lydella radialis*

Masicera "myoidea," see *Lydella radialis*

Masicera "myoidea" probably, see *Lydella radialis* probably

Masicera nigrita, see *Lydella radialis*

Masicera protoparcis, see *Drino rhoeo*

Masicera rileyi, see *Lespesia rileyi*

Masicera rutila, see *Ceromasia aurifrons*

Masicera "seniles," see *Lydella radialis*

Masicera senilis, see *Lydella radialis* or *Lydella thompsoni*

Masicera schizurae, see *Lespesia schizurae*

Masicera sphingivora, see *Lespesia frenchii*

"*Masicera tantilla* Wulp"

HOST: LEPIDOPTERA

Pyralidae

Acigona dentilineatella (Barnes and McDunnough)

Van Zwaluwenburg, 1951: 375, Mexico (V.C.) (ex *Xubida*).

Masicera tenthredinidarum, see *Bessa harveyi*

Masicera unispinosa, see *Sturmia harrisinae*

Masicera sp., see "*Masicera*" spp. or *Sitophaga* sp.

"*Masicera*" spp.

HOST: LEPIDOPTERA

Citheroniidae

Anisota rubicunda (Fabricius)

Schaffner and Griswold, 1934: 30-31.

Noctuidae

Simyra henrici (Grote)

Webber and Schaffner, 1926: 21, New England (ex
Arsilonche albovenosa (Goeze)).

Pieridae

Colias eurytheme (Boisduval)

All records ex *Eurymus eurytheme*.

Wildermuth, 1914: 24, Calif.; Wildermuth, 1911: 7.

Sphingidae

Manduca sexta (Linnaeus)

Ashmead, 1887: 17, "the North" (as "*Masicera*" ex *Sphinx carolina* Linnaeus).

STAGE PARASITIZED: Pupa.

"*Masicora*" *archippivora*, see *Lespesia archippivora*

Medina Robineau-Desvoidy (Goniinae: Blondeliini)

Medina barbata (Coquillett)

HOST: COLEOPTERA

Chrysomelidae

Altica chalybea Illiger

Loan, 1963: 538, Ont. (as *Amedoria spinosa* (Coquillett)).

Altica corni Woods

Loan, 1963: 538, Ont. (as *Amedoria spinosa*); Woods, W. C., 1918: 173, Maine (as *Celatoria spinosa*).

Altica ulmi Woods

Loan, 1963: 538, Ont. (as *Amedoria spinosa*); Woods, W. C., 1918: 173, 193, Maine (as *Celatoria spinosa*).

Altica spp.

Woods, W. C., 1917: 274, Maine (as *Celatoria spinosa* ex *Altica* sp. 1); Woods, W. C., 1917: 274, Maine (as *Celatoria spinosa* ex *Altica* sp. 2).

Disonycha xanthomelas (Dalman)

Most records ex *Disonycha* "*xanthomelaena*."

Johnson, 1925: 188, Conn., Maine, Mass., N.H. (as *Methypostena*); Knab, 1909: 34, D.C. (as *Hypostena* ex "*Disomycha*"); Chittenden, 1899: 85 (as *Hypostena* ex *D.* "*xanthomeloena*"); Chittenden, 1898a: 78-79 (as *Hypostena*); Coquillett, 1897: 17, 23, D.C. (as *Hypostena*).

"*Luperodes*" spp.

Eddy, C. O., 1941: 420, La. (as *Amedoria luctuosa* (Meigen)); Eddy, C. O., 1941a: 509, La. (as *Amedoria luctuosa*).

Plagiometriona clavata (Fabricius)

Johnson, 1925: 188, Conn., Maine, Mass., N.H. (as *Methypostena* ex *Deloyala*).

STAGE PARASITIZED: Adult.

BIOLOGY: Loan, 1963: (538); Woods, W. C., 1918: (173).

Medina spp.

HOST: COLEOPTERA

Chrysomelidae

Unidentified Chrysomelidae

Townsend, 1913a: 304 (as *Methypostena*).

STAGE PARASITIZED: Larva, adult.

BIOLOGY: Townsend, 1913a: (304).

Megaparia opaca, see *Megapariopsis opaca**Megapariopsis* Townsend (Proseninae: Dexillini)*Megapariopsis opaca* (Coquillett)

HOST: COLEOPTERA

Scarabaeidae

Euetheola rugiceps (LeConte)

Phillips and Fox, 1924: 30, Va.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 9 on pl. 2).

Meigenia Robineau-Desvoidy (Goniinae: Blondeliini)*Meigenia hyphantriae*, see *Hyphantrophaga hyphantriae**Meigenia mutabilis* (Fallén)

HOST: COLEOPTERA

Chrysomelidae

Crioceris asparagi (Linnaeus)

Clausen, 1956: 53, N.J.

Meigenia websteri, see *Lespesia archippivora**Melanophora Meigen* (Rhinophorinae: Rhinophorini)*Melanophora diabroticae*, see *Celatoria diabroticae**Melanophora roralis* (Linnaeus)

HOST: ISOPODA (CRUSTACEA)

Oniscidae

Oniscus asellus Linnaeus

Jones, F. M., 1948: 32-33, Mass.

Porcellio scaber Latreille

Jones, F. M., 1948: 32-33, Mass.

Porcellio scaber Latreille probably

Brues, 1903: 291, Mass.

Porcellio spp.

Johnson, 1925: 210, Conn., Mass., N.H.

STAGE PARASITIZED: Adult.

IMMATURES: Pupa — Brues, 1903: (descr.).

"Memorilla" *maculosa*, see *Nemorilla pyste*"Mericea" *ampelus*, see *Mericia ampelus**Mericia Robineau-Desvoidy* (Tachininae: Ernestiini)*Mericia ampelus* (Walker)

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)Aldrich, 1932: 2, Mass. (as *Ernestia*, incomplete rearing — pupa).

Hyphantria cunea (Drury)

Williamson, 1969: 17, Ont.; Williamson, 1968: 17, Ont.; Williamson, 1963: 150, Ont.; Williamson, 1962: 158, Ont.; Kelleher, 1960a: 280, Canada; Maybee, 1959: 264, Ont. (as "*Mericea*"); Maybee, 1958: 312, B.C., N.B., N.S., Ont.; Boyes and Wilkes, 1953: 126; Fattig, 1949: 21; *Strickland, 1938: 216 (ex fall webworm, Tothill, 1921); Schaffner and Griswold, 1934: 37, 109 (as *Ernestia*); Allen, 1929: 685, Miss. (as *Ernestia*); Johnson, 1925: 195, Conn., Maine, Mass., N.H., Vt. (as *Ernestia* ex fall webworm); Tothill, 1922: 10-14, 17-20, 22-24, 31-32, 34, 44-45, 49-59, 103-105, 107, figs. 18-28, B.C., N.B. (as *Ernestia*); Tothill, 1921: 230, 274, Canada (as *Ernestia*); Johnson, 1910: 779, N.J. (as *Panzeria radicum* (Fabricius)); Coquillett, 1897: 19, 25, D.C., Mo. (as *Panzeria radicum*).

Hyphantria textor (Harris)

Raizenne, 1952: 29, Ont.; Daviault, 1942: 398, Que.; Sweetman, 1936: 231-232, N. Amer. (as *Ernestia*); *Brauer and Bergenstamm, 1895: 564, 594 (as (*Nemoraea*) *nigricornis* Townsend, Townsend, 1893); Townsend, 1893: 467, Ill. (as *Nemoraea nigricornis*).

Hyphantria sp.

Coquillett, 1897: 19, 25, Md. (as *Panzeria radicum*).

Lasiocampidae

Malacosoma americanum (Fabricius)

Bess, 1936: 605 (as *Ernestia*); Schaffner and Griswold, 1934: 88, 109 (as *Ernestia*); Hine, 1904: 87, B.C. (as *Panzeria* ex *Clisiocampa* (?)).

Malacosoma disstria Hübner

Berry, P. A., 1939: 718 (as *Ernestia*, lab.); Bess, 1936: 605 (as *Ernestia*); Schaffner and Griswold, 1934: 89, 109 (as *Ernestia*).

Notodontidae

Datana integerrima Grote and Robinson

Raizenne, 1952: 81, Ont.; Schaffner and Griswold, 1934: 76, 109 (as *Ernestia*).

Datana ministra (Drury)

Tothill, 1922: 10-12, 17-20, 22-24, 31-32, 44-45, 49-59, 103-105, 107, figs. 18-28, B.C., Mass., N.B., N.S., Ont., Que. (as *Ernestia*).

Unidentified Lepidoptera

Miscellaneous

Aldrich, 1915: 82 (as *Panzeria radicum*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: First instar larva — Tothill, 1922: (descr., figs. 18-19, 26-27).

Second instar larva — Tothill, 1922: (descr., figs. 20-21, 24-25, 28).

Third instar larva — Tothill, 1922: (descr., figs. 22-23).

Pupa — Greene, 1922: (descr., fig. 86 on pl. 18 and fig. 92 on pl. 19); Tothill, 1922: (descr.).

BIOLOGY: Schaffner and Griswold, 1934: (109); Tothill, 1922: (10-14, 17-20, 22-24, 31-32, 34, 44-45, 49-59, 103-105, 107); Aldrich, 1915: (82).

Mericia arcuata (Tothill)

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Strickland, 1938: 216 (ex fall webworm).

Mericia arcuata (Tothill) probably

HOST: LEPIDOPTERA

Noctuidae

Eupsilia devia (Grote)

Schaffner and Griswold, 1934: 51, 109, Maine (as *Ernestia* sp. (1) (?*arcuata*) ex *Conistra*).

BIOLOGY: Schaffner and Griswold, 1934: (51, 109).

Mericia bicarina (Tothill) probably

HOST: LEPIDOPTERA

Noctuidae

Barathra curialis (Smith)

Schaffner and Griswold, 1934: 44, 111, Maine (as *Ernestia* sp. (10) (? *bicarina*)).

STAGE PARASITIZED: Pupa.

BIOLOGY: Schaffner and Griswold, 1934: (44, 111).

Mericia johnsoni (Tothill)

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Tothill, 1921: 230 (as *Ernestia*).

Mericia spp.

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Schaffner and Griswold, 1934: 36, 110 (as *Ernestia* sp. (7)).

Estigmene acrea (Drury)

Schaffner and Griswold, 1934: 38, 110 (as *Ernestia* sp. (7)).

Euchaetias egle (Drury)

Schaffner and Griswold, 1934: 39, 110, N.Y. (as *Ernestia* sp. (5)).

Hyphantria cunea (Drury)

Howard and Fiske, 1911: 203 (as *Varichaeta aldrichi* (Townsend) ex fall webworm).

Geometridae

Ennomos subsignarius Hübner

Schaffner and Griswold, 1934: 99-100, 109, Mass. (as *Ernestia* sp. (2)).

Noctuidae

Agrotis orthogonia Morrison

Strickland, 1921: 98, Alta. (as *Ernestia radicum* (Fabricius) ex *Porosagrotis*).

Amphipyra pyramidoides Guenée

Schaffner and Griswold, 1934: 52, 110 (as *Ernestia* sp. (10)).

Cosmia canescens (Behr)

Schaffner and Griswold, 1934: 62, 110, N.J. (as *Ernestia* sp. (3)).

Euxoa auxiliaris (Grote)

Crumb, 1929: 40 (as *Ernestia* ex *Chorizagrotis*); Snow, 1925: 605, 608, Utah (as *Ernestia*).

Lithophane antennata (Walker)

Schaffner and Griswold, 1934: 49, 110, N.J. (as *Ernestia* sp. (4) ex *Graptolitha*).

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

Schaffner and Griswold, 1934: 48, 110 (as *Ernestia* sp. (9) ex *Graptolitha* (including *G. disposita*, *G. innominata* and/or *G. petulca*)).

Unidentified Noctuidae

Schaffner and Griswold, 1934: 72, 110, Maine (as *Ernestia* sp. (8)).

Notodontidae

Datana ministra (Drury)

Schaffner and Griswold, 1934: 74, 110, Maine, N.Y. (as *Ernestia* sp. (6)).

Olethreutidae

Spilonota ocellana (Denis and Schiffermüller)

Stultz, 1955: 80, N.S.

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Schaffner and Griswold, 1934: (39, 49, 62, 72, 74, 99-100, 109-110); Howard and Fiske, 1911: (203).

Mericia spp. probably

All records as *Varichaeta* [sp.].

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Tothill, 1920: 32, N.B. (ex fall webworm).

Hyphantria sp.

Tothill, 1919: 13, N.B.

STAGE PARASITIZED: Larva.

Metachaeta helymus, see *Periscepsia helymus*

Metadexia Coquillett (Dexiinae: Zeliini)

Metadexia basalis, see *Cholomyia inaequipes*

Metadexia tricolor Coquillett

HOST: COLEOPTERA

Curculionidae

Rhabdoscelus obscurus (Boisduval)

Wray, 1950: 31, N.C. (ex "*Rhodobaemus*" [sp.] in dahlia stem).

STAGE PARASITIZED: Larva.

Metagonistylum Townsend (Goniinae: Eryciini)

Metagonistylum minense Townsend

HOST: LEPIDOPTERA

Pyralidae

Diatraea canella Hampson

Bartlett, 1941: 2, St. Lucia; Box, 1939: 230, 233, 235-236, 238-239, St. Lucia.

Diatraea impersonatella (Walker)

Box, 1960: 910, Guadeloupe; Fretay, 1960: 145, Guadeloupe (as *Metagonistylum* [sp.]); Fretay, 1960a: 151, Guadeloupe (as *Metagonistylum* [sp.]).

Diatraea saccharalis (Fabricius)

Anon., 1960: 211, Barbados; Box, 1960: 904, 909, St. Lucia; Charpentier, McCormick and Mathes, 1960: 865-867, La.; Fretay, 1960: 145, Guadeloupe (ex "*Diatrea*"); Fretay, 1960a: 151, Guadeloupe (as *Metagonistylum* [sp.]); Charpentier, 1956: 267-268, La.; Dugas, Miller and Concienne, 1956: 93, La. (ex sugarcane borer); Dugas, Concienne, Sibley and Joyner, 1955: 88, La. (ex sugarcane borer); Box, 1954: 551, Guadeloupe, Martinique, St. Lucia; Mathes, Ingram, Questel, Thames and Dugas, 1954: 562, Fla., La.; Simmonds, 1953: 122-127, Guadeloupe, Martinique; Ingram, Mathes, Wilson and Hayslip, 1951: 356, La.; Wolcott, 1951a: 476, P.R. (ex sugarcane moth borer); Annand, 1944: 134, Fla. (ex sugarcane borer); Bartlett, 1943: 16-17, P.R.; Bartlett, 1942: 19, P.R.; Lee, 1942: 65-67, P.R.; Scaramuzza, 1942: 123, Fla.; Scaramuzza and Ingram, 1942: 644, Fla.; Wilson, J. W., 1942: 164, Fla.; Bartlett, 1941: 1-18, figs. 2-6a, P.R.; Ingram and Bynum, 1941: 9, La.; Wilson, J. W., 1941: 54-55, La.; Holloway and Mathes, 1940: 738-742, La.; Lee, 1940: 102-105 (lab.); Wolcott, 1940: 31-32 (lab.); Bartlett, 1939: 243-245, P.R.; Box, 1939: 228-239, St. Lucia; Holloway, 1939: 260, La., P.R.; Lee, 1939: 95, P.R.; Bartlett, 1938: 86, P.R.; Bartlett, 1938a: 8 (lab.); Bartlett, 1938b: 1-4 (lab.); Bartlett, 1937: 3-4 (lab.); Scaramuzza, 1934: 14, Antiqua, Cuba, St. Kitts.

Diatraea spp.

Simmonds, 1948: 68, U.S., Guadeloupe, St. Lucia.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Bartlett, 1941; (descr., fig. 2a).

First instar larva — Bartlett, 1941: (descr., figs. 2b, 3a).

Second instar larva — Bartlett, 1941: (descr., fig. 3b).

Third instar larva — Bartlett, 1941: (descr., figs. 3c, 4).

Pupa — Bartlett, 1941: (descr., figs. 5, 6a).

BIOLOGY: Simmonds, 1953: (122-127); Bartlett, 1941: (1-18);

Bartlett, 1939: (243-245); Bartlett, 1938a: (8).

Metagonistylum sp., see *Metagonistylum minense*

Metaplagia Coquillett (Tachininae: Voriini)

Metaplagia occidentalis Coquillett

HOST: LEPIDOPTERA

Noctuidae

Heliothis virescens (Fabricius)

Fattig, 1949: 21-22.

Heliothis zea (Boddie)

Fattig, 1949: 21-22 (ex *H. armigera* (Hübner)); Brimley, 1938: 360, N.C. (ex *H. armiger*); Brimley, 1922: 24, N.C. (ex *H. obscura* (Fabricius)).

Sphingidae

Agrius convolvuli (Linnaeus)

Reinhard, 1922: 72, Tex. (ex *Herse*).

Sphinx luscitiosa (Clemens)

Schaffner and Griswold, 1934: 19, 108, Mass. (ex *Hyloicus*)

BIOLOGY: Schaffner and Griswold, 1934: (19, 108).

Metavoria Townsend (Tachininae: Voriini)

Metavoria orientalis Townsend

HOST: LEPIDOPTERA

Sphingidae

Manduca sexta (Linnaeus)

All records ex *Protoparce sexta*.

Allen, 1929: 684, Miss.; Allen, 1924: 24, Miss.

Methypostena barbata, see *Medina barbata*

Methypostena sp., see *Medina* spp.

Metopiops Townsend (Goniinae: Eumasicerini)

Metopiops pyralidis (Coquillett)

All records as *Pseudochaeta pyralidis*.

HOST: LEPIDOPTERA

Nymphalidae

Vanessa cardui (Linnaeus)

Rowe, 1933: 125, Ill. (ex thistle butterfly).

Pyralidae

Unidentified Pyralidae

Coquillett, 1897: 20, 27.

STAGE PARASITIZED: Larva.

Metopiops sp. near *pyralidis* (Coquillett)

HOST: LEPIDOPTERA

Pyralidae

Tetralopha asperatella (Clemens)

Schaffner, 1959: 13, 51, Mass.

BIOLOGY: Schaffner, 1959: (13, 51).

Miamimyia Townsend (Goniinae: Hyperecteinini)

Miamimyia cincta Townsend

HOST: ORTHOPTERA

Blattidae

Periplaneta americana (Linnaeus)

Patton, 1958: 35, Fla. (as *Chaetophleps* n. sp.).

BIOLOGY: Patton, 1958: (35).

Microceromasia sphenophori, see *Lixophaga sphenophori*

Microceromasia "sphenophori," see *Lixophaga sphenophori*

Micropalpus fulgens, see *Bonnetia comta*

Micropalpus sp., see *Bonnetia* sp.

"*Microphthalma*" *disjuncta*, see *Microphthalma disjuncta*

Microphthalma Macquart (Proseninae: Dexillini)

Microphthalma disjuncta (Wiedemann)

HOST: COLEOPTERA

Scarabaeidae

Euetheola rugiceps (LeConte)

Douglas, W. A., and Ingram, 1942: 9, S. U.S.; Ingram, Bynum
and Douglas, 1939: 480, [S. U.S.] (as "*Microphthalma*");
Ingram and Bynum, 1932: 847, La.

Phyllophaga fervida (Fabricius)

All records ex *Lachnosterna arcuata* Smith.

Walton, 1913: 198; Johnson, 1910: 783, N.J.; Chittenden, 1899: 79, D.C.; Coquillett, 1897: 18, 23, D.C.

Phyllophaga spp.

Fattig, 1949: 22, Ga.; Hammond, 1948: 175, Ont.; Fattig, 1944: 4, Ga.; Fattig, 1944: 4, Ga. (as *M. "divisa"* Wiedemann); Johnson, 1925: 208, Conn., Maine, Mass., N.H., Vt.; Hayes, 1920: 317, Kans. (ex *Lachnosterna*); Hudson, 1920: 83, Ont. (ex *Lachnosterna*); Criddle, 1918: 454, Man. (ex *Lachnosterna*); Davis, J. J., 1918: 13-14 (ex *Lachnosterna*); Smyth, 1917: 59, Cent. W. U.S.; Davis, J. J., 1916: 271, Cent. W. U.S. (ex *Lachnosterna*); Aldrich, 1915: 82 (ex *Lachnosterna*); Forbes, S. A., 1908: 160-161, Ill. (as "*Macrophthalma*" ex *Lachnosterna*).

June beetle(-s)

Felt, 1908: 43, [Ill.] (as "*Macrophthalma*").

Scarabaeid spp. (including *Cyclocephala immaculata* (Olivier) or *Phyllophaga* spp.)

Forbes, S. A., 1891: 44-45, 52, Ill. (as *M. nigra* Macquart ex white grubs (*Lachnosterna* spp. or *C. immaculata*)).

Scarabaeid spp. (including *Cyclocephala* spp. and/or *Phyllophaga* spp.)

Forbes, S. A., 1907: 472-473, Ill. (as "*Macrophthalma*" ex white grubs (*Lachnosterna* spp. or *Cyclocephala* spp.)).

Scarabaeid spp. (allied genera of *Phyllophaga* spp.)

Criddle, 1918: 454, Man. (ex allied genera of *Lachnosterna*).

White grub(-s)

Hammond, 1949: 161, Ont.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 17 on pl. 4).

Microphthalma "divisa," see *Microphthalma disjuncta*

Microphthalma michiganensis (Townsend)

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga anxia (LeConte)

Jarvis, 1966: 406-407, 409, Nebr.; Hammond, 1931: 71-72, Que.; Hammond, 1930: 34, Que.; Hammond, 1930a: 60, Que. (ex "*Phyllophaga*"); Aldrich, 1926: 5, Que.; Petch and Hammond, 1926: 85, 89-90, Que.; Petch and Hammond, 1925: 25-27, Que. (as *M. phyllophagae* Curran).

Phyllophaga fervida (Fabricius)

Aldrich, 1926: 5, D.C. (ex *P. arcuata* (Smith)).

Phyllophaga spp.

Hammond, 1942a: 148, Ont., Que.; Aldrich, 1926: 5, Md.

White grub(-s)

Hammond, 1937: 163, Ont.; Anon., 1932: 1251, Que.; Weir, 1932: 178, 185, [Que.]; Hammond, 1929: 39, Que.; Motherwell, 1928: 117 (as "*Microthalma*"); Anon., 1927: 440, Canada; Gibson, 1927: 57, Que.; Petch, 1925: 6, Que. (as *M. phyllophagae*).

STAGE PARASITIZED: Larva.

IMMATURES: Egg — Petch and Hammond, 1925: (descr.).

First instar larva — Petch and Hammond, 1925: (descr.).

Third instar larva — Petch and Hammond, 1926: (descr.).

BIOLOGY: Petch and Hammond, 1926: (85, 89-90).

Microphthalma nigra, see *Microphthalma disjuncta*

Microphthalma obsoleta (Wulp)

All records as *Microphthalma pruinosa* Coquillett.

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga spp.

Johnson, 1925: 208, Mass., Vt.; Davis, J. J., 1916: 271, New England (ex *Lachnosterna*).

STAGE PARASITIZED: Larva.

Microphthalma phyllophagae, see *Microphthalma michiganensis*

Microphthalma pruinosa, see *Microphthalma obsoleta*

Microphthalma spp.

HOST: COLEOPTERA

Scarabaeidae

White grub(-s)

Curran, 1925: 16, Que.

STAGE PARASITIZED: Larva.

"*Microthalma*" *michiganensis*, see *Microphthalma michiganensis*

"*Miophasia*" *metallica*, see *Myiophasia metallica*

Mochlosoma Brauer and Bergenstamm (Proseninae: Prosenini)

Mochlosoma lacertosum (Wulp)

HOST: COLEOPTERA

Scarabaeidae

Scarabaeid spp. (including *Phyllophaga* spp. or other Scarabaeidae)

Townsend, 1912a: 39-40, Mexico (Chih.) (ex *Lachnosterna* or other "scarbaeid" beetles, suggested host).

STAGE PARASITIZED: Larva.

BIOLOGY: Townsend, 1912a: (39-40).

Mochlosoma mexicanum (Macquart)

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Miscellaneous

Gibson, W. W., and Carrillo S., 1959: 183, Mexico (Mex.) (ex gusanos de maíz).

Muscadae, see Tachinidae

Myiocera "cremiodes," see *Dinera grisescens* probably

Myiopharus Brauer and Bergenstamm (Goniinae: Blondeliini)

Myiopharus canadensis Reinhard

HOST: COLEOPTERA

Chrysomelidae

Calligrapha multipunctata bigsbyana (Kirby)

Reinhard, 1945: 32, Que. (ex *C. bigsbyana*).

STAGE PARASITIZED: Adult.

Myiopharus dorsalis (Coquillett)

HOST: COLEOPTERA

Chrysomelidae

Calligrapha multipunctata bigsbyana (Kirby)

Daviault, 1941a: 106-107 (as *Doryphorophaga*).

BIOLOGY: Daviault, 1941a: (106-107).

Myiophasia Brauer and Bergenstamm (Proseninae: Myiophasiini)

Myiophasia "aenea Wiedemann"

HOST: COLEOPTERA

Curculionidae

Ampelogypter sesostris (LeConte)

Pierce, Cushman and Hood, 1912: 48, 80 (ex A. "sesotris"); Quaintance and Jenne, 1912: 149, Ohio; Brooks, F.E., 1911: 68, Ohio; Brooks, F. E., 1909: 329; Pierce, 1908: 381, 388; Pierce, 1908a: 42; Webster, 1899: 54, pl. 3, Ohio.

Anthonomus grandis Boheman

Hunter and Pierce, 1912: 142, Tex.; Pierce, Cushman and Hood, 1912: 48; Quaintance and Jenne, 1912: 149, Tex.; Pierce, 1910: 453 (ex boll weevil); Pierce, 1908: 381, 389; Pierce, 1908a: 28, 30, 42, La., Tex.

Chalcodermus aeneus Boheman

Thomas, W. A., 1931: 519, N.C.; Walton, 1913b: 25, S.C. (as M. "aenia"); Quaintance and Jenne, 1912: 149, S.C.; Ainslie, G. G., 1910: 140-141, S.C.; Pierce, 1908a: 42, 47.

Chalcodermus spp.

Quaintance and Jenne, 1912: 149, La.; Coquillett, 1897: 18, 23, La.

Conotrachelus affinis Boheman

Mutchler and Weiss, 1925: 11; Pierce, Cushman and Hood, 1912: 48, 77; Pierce, 1908: 381, 390; Pierce, 1908a: 42, 46.

Conotrachelus elegans (Say)

Pierce, Cushman and Hood, 1912: 48, 78; Quaintance and Jenne, 1912: 149, D.C., Tex.; Pierce, 1908: 381, 390.

Conotrachelus juglandis LeConte

Pierce, Cushman and Hood, 1912: 48, 78; Johnson, 1910: 775, N.J.; Pierce, 1908: 381, 390; Pierce, 1908a: 42; Coquillett, 1897: 18, 23, Mo., Wash.

Conotrachelus nenuphar (Herbst)

Quaintance and Jenne, 1912: 149-150, Ga., Md., Mich., Va. (ex *Curculio*).

Conotrachelus spp. (including *C. affinis* Boheman or *C. posticatus* Boheman)

Pierce, 1907: 362, La.

Conotrachelus spp.

Pierce, 1910: 453.

Curculio nasicus (Say)All records ex *Balaninus nasicus*.

Pierce, Cushman and Hood, 1912: 48, 80; Johnson, 1910: 775, N.J.; Pierce, 1908: 381, 390; Pierce, 1908a: 42; Coquillett, 1897: 18, 23.

Curculio uniformis (LeConte)Quaintance and Jenne, 1912: 149, Mo. (ex *Balaninus*).*Sphenophorus parvulus* GyllenhalQuaintance and Jenne, 1912: 149; Johnson, 1910: 775, N.J.; Pierce, 1908: 381, 392; Pierce, 1908a: 42; *vide Brauer and Bergenstamm, 1895: 563, 606, N. Amer. (Townsend, 1893); Townsend, 1893: 467, Ill. (as *Phasioclista metallica* Townsend).*Trichobaris compacta* Casey

Pierce, Cushman and Hood, 1912: 48, 79.

Curculionid spp. (including *Conotrachelus naso* LeConte or *Curculio pardalis* (Chittenden))Brooks, F. E., 1911a: 190, W. Va. (as "*Myophasia*" ex *Balaninus* "*pardalus*" or *Curculio naso*); Brooks, F. E., 1910: 182, W. Va. (as "*Myophasia*" ex *Balaninus* "*pardulus*" or *Curculio naso*).

Unidentified Coleoptera

Miscellaneous

Aldrich, 1915: 82.

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)Lintner, 1897: 210 (as "*Myophasia*" ex *Leucania*).

STAGE PARASITIZED: Larva (Coleoptera, Lepidoptera), pupa (Coleoptera).

IMMATURES: Pupa — Webster, 1899: (pl. 3).

BIOLOGY: Pierce, Cushman and Hood, 1912: (48, 77-80);

Ainslie, G. G., 1910: (140-141).

Myiophasia "*aenea* Wiedemann" probably

HOST: COLEOPTERA

Curculionidae

Conotrachelus nenuphar (Herbst)

Armstrong, 1958: 17, Ont.

Myiophasia "aenia," see *Myiophasia* "aenea"

"*Myiophasia atra* (Robineau-Desvoidy)"

HOST: COLEOPTERA

Curculionidae

Curculio uniformis (LeConte)

Keen, 1958: 70, Oreg.

HOST: LEPIDOPTERA

Arctiidae

Halisidota caryae (Harris)

Fattig, 1949: 22.

Olethreutidae

Laspeyresia caryana (Fitch)

Fattig, 1949: 22, Ga.

Pyralidae

Acrobasis caryae (Grote)

Fattig, 1949: 22.

Myiophasia clistoides (Townsend)

All records as *Ennyomma clistoides*.

HOST: COLEOPTERA

Curculionidae

Chalcodermus aeneus Boheman

Pierce, Cushman and Hood, 1912: 77; Pierce, 1908: 382,
390; Howard, 1895: 280, La.

Myiophasia globosa (Townsend)

HOST: COLEOPTERA

Curculionidae

Anthonomus grandis Boheman

Fattig, 1949: 22-23; Bissell, 1945: 420-440, pls. 1-2, 4, Tex.;
Stuckey, 1941: 116 (ex cotton boll weevil); Allen, 1929:

682, Miss.; Townsend, 1915: 113, Ark., La., Okla. (as *Euloewia*); Hunter and Pierce, 1912: 142, fig. d on pl. 18, La. (as *Ennyomma*); Pierce, Cushman and Hood, 1912: 48, La. (as *Ennyomma*); Pierce, 1910: 453 (as *Ennyomma* ex boll weevil); Pierce, 1908: 382, 389, La. (as *Ennyomma*); Townsend, 1908: 58, La. (as *Ennyomma*).

Chalcodermus aeneus Boheman

Dupree and Beckham, 1955: 12, Ga.; Fattig, 1949: 22-23, Ga.; Hetrick, 1947: 11, 20, 22, Va. (as "*Myophasia*"); Bissell, 1945: 417-440, pls. 1-2, 4, Ga.; Stuckey, 1943: 49-50, Ga. (ex cowpea curculio); Bissell, 1942: 8-9, Ga. (as *Pseudoclista* ex cowpea curculio); Stuckey, 1942: 78, Ga. (ex cowpea curculio); Stuckey, 1941: 115-116, unnumbered fig. on p. 115, Ga. (ex cowpea curculio); Bissell, 1940: 845, Ga.; Stuckey, 1940: 60, Ga.; Arant, 1938: 28, Ala. (as "*Myophasia*"); Stuckey, 1938: 66, Ga.; Arant, 1933: 28, Ala.; Townsend, 1915: 113, S.C. (as *Euloewia*); Townsend, 1913b: 115, S.C. (as *Ennyomma*); Walton, 1913a: 204, S.C.; Hunter and Pierce, 1912: 142, fig. d on pl. 18 (as *Ennyomma* ex cowpea curculio); Pierce, Cushman and Hood, 1912: 48, 77, S. U.S. (as *Ennyomma*).

Chalcodermus collaris Horn

Bissell, 1940: 845, Ga.

Chalcodermus inaequicollis Horn

Bissell, 1940: 845, Ga.

Chalcodermus spp.

Townsend, 1915: 113, La. (as *Euloewia*).

Conotrachelus affinis Boheman

Mutchler and Weiss, 1925: 11.

Conotrachelus anaglypticus (Say)

Mutchler and Weiss, 1925: 15.

Conotrachelus aratus Germar

Mutchler and Weiss, 1925: 13.

Conotrachelus nenuphar (Herbst)

Fattig, 1949: 22-23; Stuckey, 1941: 116 (ex plum curculio); Snapp, 1930: 77, 79-80, Ga.

Trichobaris trinotata (Say)

Allen, 1929: 682, Miss.

Unidentified Curculionidae

Townsend, 1915: 113, Ark., La., Okla. (as *Euloewia* ex weevils other than *Anthonomus grandis*).

STAGE PARASITIZED: Larva.

IMMATURES: First instar larva — Bissell, 1945: (descr., pls. 1-2, 4); Stuckey, 1941: (unnumbered fig. on p. 115).

Second instar larva — Bissell, 1945: (descr., pls. 1-2, 4).

Third instar larva — Bissell, 1945: (descr., pls. 1-2, 4).

Pupa — Bissell, 1945: (descr., pls. 1-2, 4); Hunter and Pierce, 1912: (fig. d on pl. 18).

BIOLOGY: Bissell, 1945: (417-440); Stuckey, 1943: (49-50); Bissell, 1942: (8-9); Stuckey, 1941: (115-116).

Myiophasia metallica (Townsend)

HOST: COLEOPTERA

Curculionidae

Conotrachelus spp.

Johnson, 1925: 184, Conn., Mass., N.H., R.I.

Curculio spp.

Johnson, 1925: 184, Conn., Mass., N.H., R.I. (ex "*Balanus*").

Sphenophorus incurrens Gyllenhal

Van Zwaluwenburg, 1951: 375, Mexico (Pue., V.C.) (as "*Miophasia*" ex *Calendra*).

Caneborer(-s)

Pemberton, 1948a: 64, Mexico.

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

Most records ex *Leucania unipuncta*.

*Quaintance and Jenne, 1912: 149 (ex *Heliophila*, Townsend, 1893, questionable host); *Brauer and Bergenstamm, 1895: 563, 597, N. Amer. (Townsend, 1893, questionable host); Townsend, 1893: 467, Ill. (as *Phasioclista*, questionable host).

Myiophasia nigrifrons (Townsend)

HOST: COLEOPTERA

Curculionidae

Conotrachelus affinis Boheman

Townsend, 1915: 113, Mo. (as *Ennyommopsis* ex hickory nut curculio).

Curculio auriger (Casey)

Brooks, F. E., and Cotton, 1929: 15, W. Va.

Curculio proboscideus (Fabricius)

Brooks, F. E., and Cotton, 1929: 15, fig. B on pl. 5, W. Va.

Curculio strictus (Casey) probably

Brooks, F. E., and Cotton, 1929: 15.

Curculio spp.

Brooks, F. E., and Cotton, 1929: 15, Md. (ex *Curculio* larvae in acorns of *Quercus nana* (Marshall) Sargent).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Brooks, F. E., and Cotton, 1929: (fig. B on pl. 5).

Myiophasia robusta Coquillett

HOST: COLEOPTERA

Curculionidae

Sphenophorus robustus Horn

Essig, 1926: 578, Calif.; Pierce, 1908: 381, 392; Pierce, 1908a: 42; Coquillett, 1897: 18, 23, Calif.

STAGE PARASITIZED: Larva.

Myobiopsis Townsend (Dexiinae: Leskiini)*Myobiopsis depilis* (Coquillett)

HOST: LEPIDOPTERA

Pyralidae

Macrobotys aeglealis (Walker)

Judd, 1954: 403, Ont. (as *Leskiopalpus*).

STAGE PARASITIZED: Larva.

Myobiopsis flavipennis (Wiedemann)

All records as *Leskiopalpus flavipennis*.

HOST: LEPIDOPTERA

Pyralidae

“*Blepharomastix*” *ebulialis* Guenée

Wolcott, 1951a: 477, P.R. (ex *Lamprosema* (or *Blepharomastix*)).

Unidentified Lepidoptera

Leaf-folder caterpillar(-s)

Martorell, 1945: 213, P.R.

STAGE PARASITIZED: Larva.

Myocera cremides, see *Dinera grisescens*

Myocera tabanivora, see *Carinosillus tabanivorus*

"*Myophasia*" *aenea*, see *Myiophasia* "*aenea*"

"*Myophasia*" *globosa*, see *Myiophasia globosa*

Mystacella Wulp (Goniinae: Sturmiini)

Mystacella chrysoprocta (Wiedemann)

HOST: COLEOPTERA

Scarabaeidae

Xyloryctes sp.

Aldrich, 1932: 4, Mass. (as *Macromeigenia*).

Mystacella spp.

HOST: LEPIDOPTERA

Arctiidae

Isia isabella (J. E. Smith)

Townsend, 1895: 75, Colo. (as *Mystacella* n. sp. ex *Pyrrharctia*).

Noctuidae

Acronicta americana (Harris) probably

Townsend, 1895: 75, Colo. (ex *Acronycta*).

Myxexorista sp., see "*Zenillia*" spp.

"*Myxexorsita*" sp., see "*Zenillia*" spp.

Neadmontia limata, see *Dexia limata*

Nemochaeta lateralis, see *Archytas lateralis*

Nemoraeta Macquart (Tachininae: Nemoraetini)

Nemoraeta hyphantriae, see *Hyphantrophaga hyphantriae*

Nemoraeta leucanae, see *Winthemia leucanae*

Nemoraeta sp. near *leucanae*, see *Winthemia* sp. near *leucanae*

Nemoraeta "*leucaniae*," see *Winthemia leucanae* or *Winthemia* spp.

(including *W. leucanae* probably or *W. militaris*)

Nemoraeta nigricornis, see *Mericia ampelus*

"*Nemoraeta*" sp.

HOST: LEPIDOPTERA

Arctiidae

Turuptiana permaculata (Packard)

Townsend, 1895: 75, Colo. (as *Nemoraeta* n. sp. ex *Ecpantheria*).

"*Nemorea leucaniae*," see *Winthemia leucanae*

Nemorilla Rondani (Goniinae: Winthemiini)

Nemorilla floralis, see *Nemorilla pyste*

Nemorilla sp. near *floralis*, see *Nemorilla* sp. near *pyste*

Nemorilla "floralis," see *Nemorilla pyste*

Nemorilla maculosa, see *Nemorilla pyste*

Nemorilla maculosa probably, see *Nemorilla pyste* probably

Nemorilla "moculosa," see *Nemorilla pyste*

Nemorilla phycitae, see *Nemorilla pyste*

Nemorilla pyste (Walker)

HOST: COLEOPTERA

Coccinellidae

Epilachna varivestis Mulsant

Douglass, 1933: 23, N. Mex. (as *N. maculosa* (Meigen) ex *E. corrupta* Mulsant).

HOST: LEPIDOPTERA

Gelechiidae

Filatima persicaeella (Murtfeldt)

Ingerson, 1918: 12, Mich. (as *Exorista* ex *Gelechia confusella* Chambers).

Glyphipterygidae

Anthophila pariana (Clerck)

Most records ex *Hemerophila pariana*.

Schaffner, 1959: 41, 52, [N.E. U.S.] (as *N. floralis* (Fallén) ex *Anthophila*); *Cameron, 1931: 41, Conn. (as *Exorista*, Porter and Garman, 1923); *Cameron, 1931: 41, Conn. (as *N. maculosa*, Porter and Garman, 1923); Cameron, 1931: 42, N.S. (as *N. floralis*); Porter and Garman, 1923: 260-261, Conn., N.Y. (as *Exorista*); Porter and Garman, 1923: 261, Conn. (as *N. maculosa*); Britton, 1922: 188, Conn. (as *Exorista*).

Hesperiidae

Urbanus proteus (Linnaeus)

Wilson, C. E., 1923a: 5, Virgin Islands (as *Exorista* ex *Eudamus*).

Lycaenidae

Strymon ontario autolytus (Edwards)

Williston, 1889: 1914, 1921, Tex. (as *Exorista scudderi* Williston ex *Thecla autolytus*).

Lymantriidae

Porthetria dispar (Linnaeus)

Howard and Fiske, 1911: 90 (as *Exorista*).

Noctuidae

Achatodes zeae (Harris)

Silver, J. C., 1933: 18, La. (as *N. floralis*).

Heliothis zea (Boddie)

Wilson, C. E., 1923a: 15, Virgin Islands (as *Exorista* ex *H. obsoleta* (Fabricius)).

Prodenia sunia (Guenée)

Wilson, C. E., 1923: 7, Virgin Islands (as *Exorista* ex "Xylomiges").

Spodoptera frugiperda (J. E. Smith)

All records ex *Laphygma frugiperda*.

Wilson, C. E., 1923: 5, Virgin Islands (as *Exorista*); Wilson, C. E., 1923a: 19, Virgin Islands (as *Exorista*).

Trichoplusia ni (Hübner)

Wilson, C. E., 1923a: 22, Virgin Islands (as *Exorista* ex *Plusia*).

Oecophoridae

Depressaria pastinacella (Duponchel)

Schaffner, 1959: 39, 52, [N.E. U.S.] (as *N. floralis* ex *D. heracliana* (Linnaeus)).

Olethreutidae

Ancylis comptana (Frölich)

Summerland, 1938: 172-173, Kans. (as *N. floralis*); Fink, 1932: 555-556, fig. 9c, N.J. (as *Exorista*); Lewis, 1925: 611, Ohio (as "Exoriste").

Ancylis comptana fragariae (Walsh and Riley)

Petterson, 1946: 323, Ohio (as *N. "floralis"*); Neiswander, R. B., 1944: 8, Ohio (as *N. floralis*).

Episimus argutanus (Clemens)

Schaffner, 1959: 20, 52, [N.E. U.S.] (as *N. floralis*).

Evora hemidesma (Zeller)

Roberts, 1966: 169, Iowa (as *N. floralis*).

Exartema sericorandum Walsingham

Schaffner, 1959: 22, 52, R.I. (as *N. floralis*).

Grapholitha molesta (Busck)

Most records ex *Laspeyresia molesta*.

Allen, 1962: 11, 112, Mass., N.J., N.Y. (as *N. floralis* ex *Grapholitha*); Brunson and Allen, 1948: 447 (as *N. floralis* ex *Grapholitha*); Steenburgh and Boyce, 1938: 73, Ont. (as *N. maculosa*); Steenburgh, 1935: 71, Ont. (as *N. maculosa*); McConnell, 1932: 367-368, Md. (as *N. phycitae* (LeBaron)); Steenburgh, 1931: 59, Ont. (as *N. maculosa*); Haeussler, 1930: 367, Md. (as *N. phycitae*); Stearns, 1928: 7, Md. (as *N. phycitae*); Garman, P., 1918: 117, Md. (as *N. phycitae*).

Rhopobota naevana (Hübner)

Franklin, 1950: 57, 60, fig. 4B (as *N. maculosa* ex *R. vacciniana* (Packard)).

Rhyacionia buoliana (Schifferrmüller)

Schaffner, 1959: 23, 52, [N.E. U.S.] (as *N. floralis*).

Spilonota ocellana (Denis and Schifferrmüller)

Schaffner, 1959: 25, 52, [N.E. U.S.] (as *N. floralis*); Stultz, 1955: 80, N.S.

Pyralidae

Acrobasis betulella Hulst

Daviault, 1935: 318-319, Que. (as *N. maculosa*).

Acrobasis caryae Grote

Nickels, Pierce and Pinkney, 1950: 2, 19-20, Tex. (as *N. floralis*); Fattig, 1949: 23 (as *N. floralis*); Gill, 1930: 71-72 (as *N. "moculosa"* ex pecan nut case-bearer); Gill, 1930: 71-72 (as *Exorista* ex pecan nut case-bearer); Leiby, 1925: 18-19, N.C. (as *N. maculosa*); Brimley, 1922: 22, N.C. (as *Exorista*); Kirk, 1913: 258, Conn. (as *Exorista*).

Acrobasis caryivorella Ragonot

Schaffner, 1959: 14, 52, [N.E. U.S.] (as *N. floralis*); Nickels, 1951: 434, Tex. (as *N. maculosa*); Reinhard, 1922: 72, Tex. (as *Exorista*).

Acrobasis comptoniella Hulst

Schaffner, 1959: 15, 52, [N.E. U.S.] (as *N. floralis*).

Acrobasis coryliella Dyar

Schaffner, 1959: 14, 52, Mass. (as *N. floralis*).

Acrobasis indigenella (Zeller)

Leiby, 1925: 9, N.C. (as *Exorista* ex *A. nebulella* Riley);
 Brimley, 1922: 22, N.C. (as *Exorista* ex *A. nebulella*);
 Coquillett, 1897: 14, 26, Ind., Mo. (as *Exorista* ex
Mineola "indiginella"); *Brauer and Bergenstamm, 1895:
 554, 580, N. Amer. (as *Exorista phycitae*, Townsend,
 1893; Riley, 1872); *Brauer and Bergenstamm, 1895:
 554, 577, 602, Ill. (as (*Tachina*) *phycitae* ex *Phycita*
nebulo Walsh, Riley, 1872); Townsend, 1893: 467, Ill.
 (as *Exorista phycitae*); LeBaron, 1872: 123, Ill. (as
Tachina phycitae ex *Phycita nebulo*); Riley, 1872: 40-41
 (as *Tachina phycitae* ex *Phycita nebulo*).

Acrobasis juglandis (LeBaron)

Gill, 1930: 71 (as *Exorista* ex leaf case-bearer).

Asciodes anormalis (Guenée) probably

Wilson, C. E., 1923a: 27, Virgin Islands (as *Exorista* ex
Sylepta helcitalis Walker).

Desmia funeralis (Hübner)

Donohoe and Kaloostian, 1937: 967-968, Calif. (as *N.*
maculosa); Knowlton and Janes, 1931: 147, Utah (as *N.*
floralis ex grape leaf-folder); Allen, 1929: 686, Miss. (as
N. floralis); Strauss, 1916: 9, 12, D.C. (as "Exoriste").

Diaphania hyalinata (Linnaeus)

Wolcott, 1951a: 478, P.R. (as *N. maculosa* ex *Margaronia*);
 Russo, 1927a: 63, 76, Dominican Republic (as *N. floralis*
 ex *Margaronia*); Wolcott, 1924: 222, P.R. (as *N.*
maculosa).

Diatraea saccharalis (Fabricius)

Wilson, C. E., 1923a: 18, Virgin Islands (as *Exorista*).

Hedylepta indicata (Fabricius)

Wolcott, 1951a: 478, P.R. (as *N. floralis* ex "Hydelepta");
 Plank, 1945: 26-27, P.R. (as *N. floralis*); Wilson, C. E.,
 1923a: 3, Virgin Islands (as *Exorista* ex *Nacoleia*).

Hellula phidilealis (Walker)

Wilson, C. E., 1923a: 23, Virgin Islands (as *Exorista*).

Hellula rogatalis (Hulst)

Most records ex *Hellula undalis* (Fabricius).

Chittenden and Marsh, 1912: 31 (as *Exorista*);
 *Chittenden, 1900: 60, S.C. (as *Exorista*, Coquillett,
 1897); Forbes, S. A., and Hart, 1900: 460, Ill. (as
Exorista "piste"); Chittenden, 1899: 56, Ga. (as
Exorista "piste"); Coquillett, 1897: 14, 26, S.C. (as
Exorista ex pyralid).

Herpetogramma bipunctalis (Fabricius)

Russo, 1927a: 183, Dominican Republic (as *N. floralis* ex *Psara* "*bispunctalis*").

Hulstia undulatella (Clemens)

*Essig, 1926: 581, Calif. (as *N. maculosa*, Titus, 1905); Titus, 1905: 38-39, Calif. (as *Exorista* ex "*Hulstea*").

Hymenia recurvalis (Fabricius)

Poos, 1928: 146, Va. (as *N. maculosa* ex *H. fascialis* (Cramer)); Wilson, C. E., 1923a: 7-8, Virgin Islands (as *Exorista* ex *Zinckenia fascialis*).

Loxostege similalis (Guenée)

Butler, 1958: 562, Ariz. (as *N. floralis*); Smith, R. C., and Franklin, 1954: 31, Kans. (as *N. maculosa*); Fattig, 1949: 23 (as *N. floralis*); Reinhard, 1922: 72, Tex. (as *Exorista*).

Maruca testulalis (Geyer)

Bruner, S. C., 1935: 12, Cuba (as *N. floralis*).

Nephopteryx subcaesiella (Clemens)

Schaffner, 1959: 17, 52, [N.E. U.S.] (as *N. floralis* ex *Salebria*).

Ostrinia nubilalis (Hübner)

All records ex *Pyrausta nubilalis*.

Baker, W. A., Bradley and Clark, 1949: 8, 38-39, 53, fig. 38Ab (as *N. floralis*); Baker, W. A., Bradley and Clark, 1949: 176, fig. 38Aa, New England (as *N. maculosa*); Clark, C. A., 1934: 18, 20, 31, 36 (as *N. floralis*, lab.); Johnson, 1925: 196, Conn., Maine, Mass., N.H., R.I. (as *N. maculosa*); Caffrey, 1919: 21, Mass. (as *Exorista*); Vinal and Caffrey, 1919: 57-58, Mass. (as *Exorista*).

Ostrinia spp. (including *O. obliteralis* (Walker) and/or *O. penitalis* Grote)

Poos, 1927: 82-83, Ohio (as *Exorista* ex *Pyrausta penitalis* or *P. ainsliei* Heinrich).

Pachyzancla bipunctalis (Fabricius)

Wilson, C. E., 1923a: 9, Virgin Islands (as *Exorista*); Jones, T. H., 1915: 8, P.R. (as *Exorista*).

Phlyctaenia coronata tertialis (Guenée)

All records ex *Phlyctaenia tertialis*.

Schaffner, 1959: 10, 52, [N.E. U.S.] (as *N. floralis*); Balduf, 1929: 239-240, Ill., Ohio (as *N. floralis*).

Pilocrocis tripunctata (Fabricius)

Jones, T. H., 1917: 9, La. (as *Exorista*).

Pococera scabridella (Ragonot)

Wolcott, 1951a: 478, P.R. (as *N. maculosa* ex *Tetralopha*).

Psara pallicaudalis Snellen

Fattig, 1949: 23 (as *N. floralis* ex *Pachyzancla periusalis* (Walker)).

Pyrausta futilalis (Lederer)

Schaffner, 1959: 11, 52, [N.E. U.S.] (as *N. floralis*).

Pyrausta signatalis (Walker)

Schaffner, 1959: 12, 52, Mass. (as *N. floralis*).

Pyrausta tyralis (Guenée)

Allen, 1929: 686, Miss. (as *N. floralis*); Allen, 1924: 24, Miss. (as *N. maculosa*).

Tetralopha asperatella (Clemens)

Schaffner, 1959: 13, 52, [N.E. U.S.] (as *N. floralis*).

Unidentified Pyralidae

Coquillett, 1897: 14, 26, D.C. (as *Exorista*).

Tortricidae

Acleris minuta (Robinson)

Franklin, 1950: 57, 60, fig. 4B (as *N. maculosa* ex *Peronea*);
Johnson, 1925: 196, Conn., Maine, Mass., N.H., R.I. (as
N. maculosa ex "*Peronia*").

Acleris variana (Fernald)

Miller, C. A., 1966: 603, N.S.; Reeks, Forbes and Cuming,
1947: 12, [maritime prov.]; Schedl, 1932: 1-2, N.S. (as
"*Memorilla*" *maculosa* ex *Peronea*).

Adoxophyes furcatana (Walker)

Schaffner, 1959: 27, 52, Mass. (as *N. floralis*).

Amorbia emigratella Busck

Vickery, 1925: 141, Tex. (as *N. maculosa*).

Aphelia alleniana (Fernald)

Martin, 1958: 46, Ont. (ex *Tortrix*).

Archippus packardianus (Fernald)

Davault, 1950a: 150, Que. (ex *Tortrix*); Davault, 1946:
117, Que. (ex *Tortrix* "*parckardiana*").

Archips argyrospilus (Walker)

Prokopy, 1968: 350, Conn.; Schaffner, 1959: 30, 52, [N.E.
U.S.] (as *N. floralis*); *Essig, 1926: 581, Colo., N. Mex.
(as *N. maculosa*, Gill, 1913); Gill, 1913: 102, Colo. or N.
Mex. (as *Exorista*).

Archips cerasivoranus (Fitch)

Schaffner, 1959: 30, 52, [N.E. U.S.] (as *N. floralis*);
Thompson, 1953: 19-20 (as *N. maculosa*); Hoffman,

1936: 210-211, Minn. (as *N. maculosa* ex *Cacoecia*);
Herrick, 1912: 291, N.Y. (as *Carcelia*).

Archips fervidanus (Clemens)

Schaffner, 1959: 29, 52, [N.E. U.S.] (as *N. floralis*).

Archips griseus (Robinson)

Prokopy, 1968: 350-351, Conn.

Archips purpuranus (Clemens)

Schaffner, 1959: 31, 52, [N.E. U.S.] (as *N. floralis*).

Archips rosanus (Linnaeus)

Schaffner, 1959: 31, 52, Mass. (as *N. floralis*); Johnson,
1925: 196, Conn., Maine, Mass., N.H., R.I. (as *N. maculosa*); Whitehead, 1925: 79, N.S. (as *Exorista* ex
Cacoecia); Walden, 1914: 226, Conn. (as *Exorista*).

Argyrotaenia velutinana (Walker)

Anon., 1963c: 20, Ont.

Choristoneura fumiferana (Clemens)

Blais, 1965: 131, Que.; Blais, 1960: 388, 390, Que. (ex
spruce budworm); Coppel, 1960: 94, 97, B.C.; Carolin
and Coulter, 1959: 553, Oreg. (as *N. floralis*); McGugan
and Blais, 1959: 765, Ont.; Schaffner, 1959: 32, 52,
[N.E. U.S.] (as *N. floralis*); Boyes and Wilkes, 1953:
126, 149 (lab.); Raizenne, 1952: 219, Ont.; Ross, 1952:
112, fig. 8, Canada; Dowden and Carolin, 1950: 778,
N.Y. (as *N. floralis* ex *Archips*); Wilkes, Coppel and
Mathers, 1949: 140, 146, 149, 151, B.C.; Dowden,
Buchanan and Carolin, 1948: 458 (as *N. floralis* ex
Archips); Daviault, 1946: 117, Que. (as *N. maculosa* ex
Archips); Richmond, 1941: 57, Sask. (as *N. maculosa* ex
Archips); Richmond, 1940: 50, Man., Ont., Sask. (as *N. maculosa*
ex *Cacoecia*); Bedard, 1938: 191 (as *N. floralis*
ex *Cacoecia*); Richmond, 1938: 45, Man., Ont. (as
"*Hemorilla*" *maculosa* ex *Cacoecia*); Tothill, 1913: 71,
Que. (as *Exorista* ex *Tortrix*).

Choristoneura houstonana (Grote)

Anon., 1966c: 323, Kans.

Choristoneura parallela (Robinson)

Franklin, 1943: 26, Mass. (as *N. floralis* ex *Cacoecia*).

Choristoneura pinus Freeman

Dixon and Benjamin, 1963: 267, Wis. (as *N. floralis*).

Choristoneura rosaceana (Harris)

All records ex *Archips rosaceana*.

Schaffner, 1959: 31, 52, [N.E. U.S.] (as *N. floralis*); Davis,
J. J., 1912: 97, Ill. (as *Exorista*).

Pandemis pyrusana (Kearfott)

Newcomer and Carlson, 1953: 1080, Wash. (as *N. floralis*).

Sparganothis sulfureana (Clemens)

Beckwith, 1938: 255, N.J. (as *N. floralis*).

Unidentified Tortricidae

Krombein, 1967: 69, Fla. (as *N. floralis*); Titus, 1905: 39, Calif. (as *Exorista*); Coquillett, 1897: 15, 27, Tex. (as *Exorista*).

Yponomeutidae

Yponomeuta malinella Zeller

Parrott and Schoene, 1912: 30, figs. 8-9, N.Y. (as *Exorista arvicola* (Meigen)).

Yponomeuta multipunctella Clemens

Most records ex *Hyponomeuta multipunctella*.

Judd, 1955: 267, Ont. (as *N. floralis*); Judd, 1954: 403, Ont. (as *N. floralis*); Putman, 1943: 223, Ont. (as *N. maculosa* ex *Yponomeuta*); Coquillett, 1897: 14, 25, D.C. (as *Exorista*); Brauer and Bergenstamm, 1895: 564, 595, N. Amer. (as *Nemorilla* sp.).

Yponomeuta padella (Linnaeus)

Parrott and Schoene, 1912: 30, N.Y. (as *Exorista arvicola*).

Unidentified Lepidoptera

Miscellaneous

Aldrich and Webber, 1924: 6, Canada, U.S. (as *N. maculosa* ex moths and butterflies).

STAGE PARASITIZED: Larva (Coleoptera, Lepidoptera), pupa (Lepidoptera)

IMMATURES: Egg — Franklin, 1950: (fig. 4B); Fink, 1932: (descr., fig. 9c); Lewis, 1925: (descr.); Parrott and Schoene, 1912: (descr., fig. 8).

Pupa — Ross, 1952: (fig. 8); Baker, W. A., Bradley and Clark, 1949: (fig. 38Aa-Ab); Fink, 1932: (descr.); Lewis, 1925: (descr.); Greene, 1922: (descr., fig. 34 on pl. 8); Parrott and Schoene, 1912: (fig. 9).

BIOLOGY: Allen, 1962: (11, 112); Schaffner, 1959: (10-15, 17, 20, 22-23, 25, 27, 29-32, 39, 41, 52); Judd, 1955: (267); Smith, R. C., and Franklin, 1954: (31); Franklin, 1950: (57, 60); Nickels, Pierce and Pinkney, 1950: (2, 19-20); Summerland, 1938: (172-173); Fink, 1932: (555-556); Gill, 1930: (71-72); Balduf, 1929: (239-240); Lewis, 1925: (611); Parrott and Schoene, 1912: (30).

Nemorilla pyste (Walker) probably

HOST: LEPIDOPTERA

Pyralidae

Acrobasis rubrifasciella PackardBalduf, 1968: 474-475, Minn. (as *N. maculosa* (Meigen) probably).

STAGE PARASITIZED: Pupa.

Nemorilla sp. near *pyste* (Walker)

HOST: LEPIDOPTERA

Pyralidae

Acrobasis indigenella (Zeller)Gill, 1917: 15, Fla. (as *Exorista* ex *A. nebulella* Riley).*Asciodes gordialis* (Guenée)Patton, 1958: 78, Fla. (as gen. sp. ? near *N. floralis* (Fallén), incomplete rearing — pupa).“**Nemorilla trivittata** (Wulp)” probablyAll records as *Exorista trivittata* probably.

HOST: LEPIDOPTERA

Noctuidae

Acronicta oblinita (J. E. Smith)All records ex *Apatela oblinita*.

*Brauer and Bergenstamm, 1895: 554, 583, N. Amer. (Townsend, 1893); Townsend, 1893: 467, Ill.

Nemorilla sp., see *Nemorilla pyste***Nemorilla** spp.

HOST: LEPIDOPTERA

Tortricidae

Choristoneura pinus Freeman

Richmond, 1941a: 209, Man. (ex jack pine budworm).

Neocelatoria ferox, see *Celatoria setosa***Neopales macra**, see “*Phorocera*” spp.**Neopales “maera,”** see “*Phorocera*” spp.**Neopales tortricis**, see *Hemisturmia tortricis***Neopales** sp., see *Pales* spp.“**Neophorocera**” *hamata*, see *Diplostichus lophyri***Neophorocera claripennis**, see *Euphorocera claripennis*

Neophorocera edwardsii, see *Euphorocera edwardsii*

Neophorocera hamata, see *Diplostichus lophyri*

Neophorocera sp., see *Euphorocera* sp.

Neothelaira aurifrons, see *Aporotachina dexina*

Neothelaira chaetoneura, see *Aporotachina chaetoneura*

New Guinea parasite, see *Lixophaga sphenophori*

New Guinea tachinid, see *Lixophaga sphenophori*

Nilea Robineau-Desvoidy (Goniinae: Eryciini)

Nilea carpocapsae (Townsend)

HOST: LEPIDOPTERA

Olethreutidae

Laspeyresia pomonella (Linnaeus)

Townsend, 1919: 580, Ark. (as *Eutritochaeta* ex codling moth).

STAGE PARASITIZED: Pupa.

Nilea noctuiformis (Smith)

Most records as *Phorocera noctuiformis*.

HOST: LEPIDOPTERA

Noctuidae

Unidentified Noctuidae

*Aldrich and Webber, 1924: 75, Mass. (Smith, H. E., 1915);
Smith, H. E., 1915: 102, Mass. (as *Neopales*).

Olethreutidae

Laspeyresia pomonella (Linnaeus)

Aldrich and Webber, 1924: 76, Ark. (ex *Carpocapsa*).

STAGE PARASITIZED: Larva, pupa.

Nilea sp. near *noctuiformis* (Smith)

HOST: LEPIDOPTERA

Noctuidae

Acronicta interrupta Guenée

Raizenne, 1952: 41, Ont. (as *Phorocera*).

Nilea sternalis (Coquillett)

All records as *Phorocera sternalis*.

HOST: LEPIDOPTERA

Noctuidae

Acronicta impressa Walker

Schaffner and Griswold, 1934: 58-59, 115, Maine (ex *Acronycta*).

Tortricidae

Archips cerasivoranus (Fitch)

Powell, 1962: 136, Calif.

BIOLOGY: Schaffner and Griswold, 1934: (58-59, 115).

Nowickia Wachtl (Tachininae: Tachinini)

Nowickia algens (Wiedemann)

HOST: LEPIDOPTERA

Noctuidae

Apamea lignicolor (Guenée)

All records ex *Hadena lignicolor*.

*Brauer and Bergenstamm, 1895: 558, 593, N. Amer. (as "*Jurinea*," Townsend, 1893b); Townsend, 1895: 70, Colo. (as *Jurinia*); Townsend, 1893b: 576-577, Colo. (as *Jurinia*).

Euxoa messoria (Harris)

Brauer and Bergenstamm, 1895: 554, 581, N. Amer. (as (?*Fabricia*) ex *Agrotis cochrani* (Riley)).

Cutworm(-s)

Aldrich, 1915: 83 (as *Echinomyia*).

Nowickia hispida (Tothill)

HOST: LEPIDOPTERA

Noctuidae

Polia purpurissata (Grote)

Wood, Neilson, Maxwell and McKiel, 1954: 173, N.B. (as *Fabriciella*).

STAGE PARASITIZED: Larva.

Nowickia latifrons (Tothill)

HOST: LEPIDOPTERA

Noctuidae

Crymodes devastator (Brace)

King, K. M., 1925: [14], Sask. (as *Fabriciella* ex *Sidemia*).

STAGE PARASITIZED: Larva.

Obolocera Townsend (Goniinae: Eryciini)

Obolocera rapae (Smith)

HOST: LEPIDOPTERA

Pieridae

Pieris rapae (Linnaeus)

All records ex *Pontia rapae*.

Johnson, 1925: 204, Mass.; Smith, H. E., 1917a: 140, Mass. (as *Homoeonychia*).

Ochromeigenia ormoides, see *Hamaxia incongrua*

Ocyptera carolinae, see "*Cylindromyia carolinae*"

Ocyptera euchenor, see *Cylindromyia euchenor*

Ocytata Gistel (Goniinae: Erythrocerini)

Ocytata pallipes (Fallén)

All records as *Rhacodineura antiqua* (Meigen).

HOST: DERMAPTERA

Forficulidae

Forficula auricularia Linnaeus

Sweetman, 1936: 233, N. Amer.; Mote, 1931: 948-950, 952-955 (lab.).

BIOLOGY: Sweetman, 1936: (233).

Oedematocera Townsend (Goniinae: Hyperecteinini)

Oedematocera dampfi Aldrich

HOST: ORTHOPTERA

Acrididae

Schistocerca cancellata (Serville)

All records ex *Schistocerca paranensis* (Burmeister).

Greene, 1956: 22, fig. 13, Guatemala, Mexico; Aldrich, 1928: 301; Townsend, 1928a: 152 (as *Schistocerca phaga*); Aldrich, 1927: 589-590, Guatemala, Mexico; Aldrich, 1927a: 17, Mexico.

STAGE PARASITIZED: Adult.

IMMATURES: Third instar larva — Greene, 1956: (descr., fig. 13).

BIOLOGY: Aldrich, 1927: (589-590).

Oedematocera flaveola (Coquillett)

HOST: ORTHOPTERA

Gryllacrididae

Ceuthophilus latibuli Scudder

Hubbell, 1936: 507, Fla.

Oedematocera flaveola (Coquillett) probably

HOST: ORTHOPTERA

Gryllacrididae

Ceuthophilus spp.

Hubbell, 1936: 507, Mich., N.C., Ohio.

BIOLOGY: Hubbell, 1936: (507).

Oedematocera gilvipes, see *Gilvella gilvipes*

Oedematopteryx fumosa, see *Alophorella fumosa*

Oedematopteryx pulvereana, see *Alophorella pulvereana*

Oedematopteryx sp., see *Alophorella* spp.

Oestrophasia ochracea, see *Euphasiopteryx ochracea*

Omotoma Liroy (Goniinae: Winthemiini)

Omotoma fumiferanae (Tothill)

HOST: LEPIDOPTERA

Geometridae

Alsophila pometaria (Harris)

Schaffner and Griswold, 1934: 90, 122 (as *Winthemia*).

Phigalia titea (Cramer)

Schaffner and Griswold, 1934: 97, 122 (as *Winthemia*).

Noctuidae

Amphipyra pyramidoides Guenée

Schaffner and Griswold, 1934: 52, 122 (as *Winthemia*).

Lithophane antennata (Walker)

Schaffner and Griswold, 1934: 49, 122 (as *Winthemia* ex *Graptolitha*).

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

Schaffner and Griswold, 1934: 48, 122 (as *Winthemia* ex *Graptolitha* (including *G. disposita*, *G. innominata* and/or *G. petulca*)).

Pyreferra hesperidago (Guenée)

Schaffner and Griswold, 1934: 51, 122 (as *Winthemia* ex *Conistra indirecta* Walker).

Spodoptera ornithogalli (Guenée)

Fattig, 1949: 35, Ga. (as *Winthemia amoena* (Meigen) ex *Prodenia*).

Tortricidae

Choristoneura conflictana (Walker)

Prentice, 1955: 471, Man., Sask.

Choristoneura fumiferana (Clemens)

Blais, 1965: 131, Que. (as *Winthemia amoena*); MacDonald and Webb, 1963: 299, N.B.; Miller, 1963: 229, 237, 239, N.B. (as *Winthemia amoena*); Blais, 1960: 388, 390-392, Que. (ex spruce budworm); Coppel, 1960: 94, 97, B.C.; Carolin and Coulter, 1959: 552-554, Oreg.; McGugan and Blais, 1959: 765, 768, 774-775, Ont.; Boyes and Wilkes, 1953: 126, 151; Coppel, 1953: 191-192, B.C.; MacNay, 1953a: 310, 314, 316, B.C.; Anon., 1952b: 178, 184, 186, B.C.; Anon., 1952g: 288, 292, 295-296, B.C.; Raizenne, 1952: 219, Ont.; Ross, 1952: 112, fig. 12, Canada; Anon., 1950c: 238, 246, 248, B.C.; Dowden and Carolin, 1950: 778-779, N.Y. (ex *Archips*); Anon., 1949: 272, 283, 285-286, B.C., Ont.; Wilkes, Coppel and Mathers, 1949: 140, 146, 149, 151, 153, B.C.; Anon., 1948: 285, 293-295, B.C.; Dowden, Buchanan and Carolin, 1948: 458-463 (ex *Archips*); Coppel, 1947: 40, B.C. (ex *Archips*); Wilkes and Anderson, 1947: 41, 43, Ont., Que. (ex *Archips*); Reinhard, 1931: 14, B.C. (as *Winthemia ex Tortrix*); Essig, 1926: 584, B.C. (as *Winthemia ex Harmologa*); Johnson, 1925: 203, N.H. (as *Winthemia ex spruce budworm*); Lochhead, 1919: 231 (as *Winthemia ex Harmologa*); Johannsen, 1913: 25-26, Canada (as *Winthemia ex Tortrix*); Tothill, 1912: 3, Canada (as *Winthemia ex Tortrix*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Ross, 1952: (fig. 12).

BIOLOGY: Miller, 1963: (229, 237, 239); Coppel, 1953: (191-192); Coppel, 1947: (40); Schaffner and Griswold, 1934: (122).

Opsotheresia Townsend (Proseninae: Theresiini)*Opsotheresia bigelowi* (Curran)

HOST: DIPTERA

Tabanidae

Unidentified Tabanidae

West, 1928: 821, N.Y. (as *Paraprosena apicalis* (Robineau-Desvoidy)).

STAGE PARASITIZED: Larva.

Ormia Robineau-Desvoidy (Proseninae: Ormiini)

Ormia ochracea, see *Euphasiopteryx ochracea*

Ormia punctata Robineau-Desvoidy

HOST: DIPTERA

Tabanidae

Tabanus sp.

Jones and Anthony, 1964: 57, Fla.

STAGE PARASITIZED: Larva.

Ormia spp. probably

HOST: LEPIDOPTERA

Pyralidae

Crambus spp.

*Brauer and Bergenstamm, 1895: 564, 589, N. Amer.
(Townsend, 1893); Townsend, 1895: 78, Ill.; Townsend,
1893: 468, Ill.

Oswaldia Robineau-Desvoidy (Goniinae: Blondeliini)

Oswaldia albifacies (Townsend)

HOST: LEPIDOPTERA

Noctuidae

Parallelia bistrariis Hübner

Raizenne, 1952: 70, Ont. (as *Parameigenia*).

Pyralidae

Loxostege mancalis (Lederer)

Brimley, 1938: 363, N.C. (as *Masicera* "albifascies");

Brimley, 1922: 23, N.C. (as *Masicera*).

Oswaldia anorbitalis (Brooks)

HOST: LEPIDOPTERA

Noctuidae

Parallelia bistrariis Hübner

Raizenne, 1952: 70, Ont. (as *Aubaeagnetia*).

Oswaldia assimilis (Townsend)

HOST: LEPIDOPTERA

Noctuidae

Parallelia bistriaris Hübner

Schaffner and Griswold, 1934: 68, 120, Mass. (as *Aubaeonetia*).

BIOLOGY: Schaffner and Griswold, 1934: (68, 120).

Oswaldia aurifrons (Townsend)

All records as *Dexodes aurifrons*.

HOST: HYMENOPTERA

Tenthredinidae

Nematus ventralis Say

*Procter, 1946: 436, Maine (ex willow sawfly, Procter, 1938); Procter, 1938: 377, Maine (ex willow sawfly).

HOST: LEPIDOPTERA

Citheroniidae

Anisota senatoria J. E. Smith

Schaffner and Griswold, 1934: 29-30, 120, N.Y.

BIOLOGY: Schaffner and Griswold, 1934: (29-30, 120).

Oswaldia sp. probably

HOST: LEPIDOPTERA

Noctuidae

Arzama obliqua (Walker)

Brauer and Bergenstamm, 1895: 551, 583 (as *Dexodes* sp. (? = *Masicera luctuosa* Wulp) ex A. "obliquata").

Oxynops Townsend (Goniinae: Blondeliini)*Oxynops anthracinus* (Bigot)

HOST: LEPIDOPTERA

Pterophoridae

Oidaematophorus homodactylus (Walker)

Schaffner, 1959: 19, 52, [N.E. U.S.].

Oidaematophorus monodactylus (Linnaeus)

Schaffner, 1959: 19, 52, [N.E. U.S.].

BIOLOGY: Schaffner, 1959: (19, 52).

Gen. and sp. near *Oxynops*

HOST: LEPIDOPTERA

Olethreutidae

Petrova albicapitana (Busck)

Lyon, 1957: 75.

Pyralidae

Dioryctria abietella (Denis and Schiffermüller)

Lyon, 1957: 77-78, Ont.

Dioryctria cambiicola (Dyar)

Lyon, 1957: 78, Ont.

Dioryctria disclusa Heinrich

Lyon, 1957: 75, 77-78, Ont.

STAGE PARASITIZED: Larva.

Pacidianus Reinhard (Goniinae: Eumasicerini)

Pacidianus persimilis Reinhard

HOST: LEPIDOPTERA

Citheroniidae

Anisota rubicunda (Fabricius)

Reinhard, 1943: 90, Ont.

Pacidianus sp.

HOST: LEPIDOPTERA

Citheroniidae

Anisota virginensis (Drury)

Patton, 1958: 79, Fla.

STAGE PARASITIZED: Larva.

Pales Robineau-Desvoidy (Goniinae: Sturmiini)

Pales spp.

HOST: COLEOPTERA

Tenebrionidae

Meracantha contracta (Palisot de Beauvois)

Hyslop, 1915: 48, Md. (as *Neopales*).

HOST: LEPIDOPTERA

Notodontidae

Cerura sp.

Brauer and Bergenstamm, 1895: 549, 586, N. Amer. (as
Ctenophorocera ex *Cerura* sp. on willows).

STAGE PARASITIZED: Larva (Coleoptera).

BIOLOGY: Hyslop, 1915: (48).

Palexorista Townsend (Goniinae: Sturmiini)

Palexorista laxa (Curran)

Most records as *Drino munda* (Wiedemann).

HOST: LEPIDOPTERA

Noctuidae

Heliothis virescens (Fabricius)

Bryan, D. E., Jackson and Stoner, 1969: 1, 8, 12 (as *P. laxa*, lab.); Chauthani and Hamm, 1967: 373 (lab.).

Heliothis zea (Boddie)

Bryan, D. E., Jackson and Stoner, 1969: 1, 8, 12 (as *P. laxa*, lab.); Chauthani and Hamm, 1967: 373-376, fig. 2 (lab.).

Spodoptera frugiperda (J. E. Smith)

Chauthani and Hamm, 1967: 373-376, fig. 2 (lab.).

STAGE PARASITIZED: Larva.

IMMATURES: Larva — Chauthani and Hamm, 1967: (fig. 2).

BIOLOGY: Bryan, D. E., Jackson and Stoner, 1969: (1, 8, 12);

Chauthani and Hamm, 1967: (373-376).

Palpexorista Townsend (Goniinae: Exoristini)

Palpexorista coccyx (Aldrich and Webber)

Most records as *Phorocera longiuscula* Walker.

HOST: LEPIDOPTERA

Limacodidae

Phobetron pithecium (J. E. Smith)

Schaffner, 1959: 6, 52, [N.E. U.S.]; Schaffner and Griswold, 1934: 104, 114, Conn.

Sibine stimulea (Clemens)

Schaffner, 1959: 4, 52, [N.E. U.S.]; Aldrich and Webber, 1924: 65, Ind. (as *Phorocera coccyx*).

Notodontidae

Datana ministra (Drury)

Fattig, 1949: 27, Ga.

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner, 1959: (4, 6, 52); Schaffner and Griswold, 1934: (104, 114).

Palpozenillia Townsend (Goniinae: Eryciini)

Palpozenillia palpalis (Aldrich)

HOST: LEPIDOPTERA

Castniidae

Castnia licoides Boisduval

Box, 1952: 485-490, fig. 2 (non N. Amer.).

Pyralidae

Diatraea considerata Heinrich

Vide Box, 1952: 487-488, Mexico (Nay.) (Van Zwaluwenburg, 1926); Van Zwaluwenburg, 1926: 667, Mexico (Nay.) (as *Phorostoma* sp. ex *Diatraea* in sugar cane).

STAGE PARASITIZED: Larva.

IMMATURES: Egg — Box, 1952: (descr., fig. 2).

First instar larva — Box, 1952: (fig. 2).

Third instar larva — Box, 1952: (fig. 2).

Pupa — Box, 1952: (fig. 2).

BIOLOGY: Box, 1952: (485-490).

Panzeria ampelus, see *Mericia ampelus*

Panzeria penitalis, see *Pyraustomyia penitalis*

Panzeria radicum, see *Mericia ampelus*

Parachaeta Coquillett (Goniinae: Harrisiini)

Parachaeta "bicolor," see *Parachaeta* spp.

Parachaeta bicolor, see *Parachaeta* spp.

Parachaeta fusca Townsend

HOST: LEPIDOPTERA

Arctiidae

Isia isabella (J. E. Smith)

Schaffner and Griswold, 1934: 36-37, 122, Conn., N.H., N.J.

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner and Griswold, 1934: (36-37, 122).

Parachaeta spp.

All records as *Parachaeta bicolor* (Macquart).

HOST: LEPIDOPTERA

Arctiidae

Isia isabella (J. E. Smith)

Brooks, 1947: 172-173, fig. 4 on pl. 14.

HOST: RODENTIA (MAMMALIA)

Unidentified Rodentia

Mouse (Mice)

Wolcott, 1951a: 481, P.R. (as *P. "bicolor"* ex dead mouse).

Mouse (mice) probably

Wolcott, 1924: 223, P.R. (ex possibly from dead mouse).

IMMATURES: Egg — Brooks, 1947: (descr., fig. 4 on pl. 14).

Paradejeania Brauer and Bergenstamm (Tachininae: Dejeaniini)

Paradejeania rutilioides, see *Paradejeania rutilioides nigrescens*

Paradejeania rutilioides nigrescens Arnaud

All records as *Paradejeania rutilioides* (Jaennicke).

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Miscellaneous

Essig, 1915: 330, Calif. (ex caterpillars of various species);

Essig, 1913: 261, Calif. (ex caterpillars).

STAGE PARASITIZED: Larva.

IMMATURES: First instar larva — Arnaud, 1951: (descr., fig. 4).

Paradexodes epilachnae, see *Aplomyiopsis epilachnae*

Paradidyma Brauer and Bergenstamm (Dexiinae: Eriothrixini)

Paradidyma singularis (Townsend)

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Burrowing webworm(-s)

Aldrich, 1915: 82, Ill.

Paradionaea atra, see *Leucostoma simplex*

Parafischeria Townsend (Tachininae: Aphriini)

Parafischeria eucerata (Bigot)

HOST: LEPIDOPTERA

Aegeriidae

Synanthedon bibionipennis (Boisduval)

Wilcox, Gray and Mote, 1932: 17, Oreg. (as *P. venatoris* (Coquillett)).

STAGE PARASITIZED: Pupa.

Parafischeria venatoris, see *Parafischeria eucerata*

Parafrontina apicalis probably, see *Lespesia archippivora* probably

Paragaedia hedemanni, see *Choeteprosopa hedemanni*

Paralispe Brauer and Bergenstamm (Goniinae: Blondeliini)

Paralispe infernalis (Townsend)

Most records as *Stomatolydella infernalis*.

HOST: COLEOPTERA

Chrysomelidae*Crioceris asparagi* (Linnaeus)

Puttler, 1966: 475, Md., S.C. (as *Paralispe*); Watts, 1939: 566, S.C.; Watts, 1938: 192, S.C.

Lema nigrovittata (Guérin-Ménéville)

Terrazas Loyola, 1961: 35-36, Mexico (Mex.) (as *S. "infernalis"*).

Lema sexnotata Chevrolat

Puttler, 1966: 475, Va. (as *Paralispe*).

Lema trilineata californica Schaeffer

Krauss, 1947: 4, Calif.

Lema trilineata trilineata (Olivier)

Aldrich, 1925: 113, D.C. (as *Paralispe* ex *L. trilineata*).

Lema sp.

Puttler, 1966: 475-476, Del. (as *Paralispe*).

HOST: LEPIDOPTERA

Tortricidae*Archips argyrospilus* (Walker)

All records ex *A. argyrospila*.

Newcomer, 1958: 88, Wash.; Johansen, 1957: 74, Wash. (as *Didyma inconspicua* Wulp).

STAGE PARASITIZED: Larva (Coleoptera).

BIOLOGY: Puttler, 1966: (475-476); Terrazas Loyola, 1961: (35-36).

Parameigenia albifacies, see *Oswaldia albifacies*

Paramuscopteryx genalis, see *Eulasiona genalis*

Paraphasia nigra, see *Phasia nigra*

Paraphoranthia Townsend (Phasiinae: Phasiini)

Paraphoranthia pollinosa Brooks

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae*Chlorochroa ligata* (Say)

Brooks, 1945a: 660, Tex. (ex "*Chlorachroa*").

Paraphorocera myoidaea, see *Lydella radialis*

Paraplagia spinosula, see *Athrycia cinerea*

Paraplagia "spinulosa," see *Athrycia cinerea*

Paraprosena apicalis, see *Opsotheresia bigelowi*

Parasetigena Brauer and Bergenstamm (Goniinae: Exoristini)

Parasetigena agilis (Robineau-Desvoidy)

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma americanum (Fabricius)

Burgess and Crossman, 1929: 108 (as *Phorocera*, lab.).

Lymantriidae

Porthetria dispar (Linnaeus)

Dowden, 1962: 31-32, 35, 62-63, New England (as *P. silvestris* (Robineau-Desvoidy)); Dowden, 1961: 875, Mass. (as *P. silvestris*); Clausen, 1956: 6-7, 63, 118-119 (as *P. silvestris*); Friend, 1945: 621, Conn. (as *Phorocera*); Brown and Sheals, 1944: 400 (as *P. silvestris*); O'Kane and Conklin, 1942: 53, N.H. (as *P. silvestris* ex gypsy moth); Brown, 1940: 585, Mass. (as *P. silvestris* ex gypsy moth); Dowden, 1935: 509 (as *Phorocera*, lab.); Webber, 1932: 205-206 (as *Phorocera*); Burgess and Crossman, 1929: 104-111, 142, fig. 45, Mass. (as *Phorocera*); Howard and Fiske, 1911: 229-231, 308 (as *P. segregata* (Rondani)); Thompson, 1910: 284 (as *P. segregata* ex "gipsy" moth, lab.).

Stilpnotia salicis (Linnaeus)

Burgess and Crossman, 1929: 108 (as *Phorocera*, lab.).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Burgess and Crossman, 1929: (descr., fig. 45).

BIOLOGY: Clausen, 1956: (6-7, 63, 118-119); Dowden, 1935: (509); Webber, 1932: (205-206); Burgess and Crossman, 1929: (104-111, 142); Howard and Fiske, 1911: (229-231, 308); Thompson, 1910: (284).

Parasetigena segregata, see *Parasetigena agilis*

Parasetigena silvestris, see *Parasetigena agilis*

Paratheresia Townsend (Proseninae: Theresiini)

Paratheresia claripalpis (Wulp)

HOST: LEPIDOPTERA

Pyralidae

Chilo plejadellus Zincken

Jaynes, 1939: 254 (as *Theresia*, lab.).

Diatraea considerata Heinrich

Box, 1953: 29, 87, N.W. Mexico; Box, 1952: 487-488, Mexico (Nay.).

Diatraea grandiosella Dyar

Box, 1953: 30, 87, Mexico (Sin.).

Diatraea magnifactella Dyar

Box, 1953: 30, 87, Cent. and W. Mexico.

Diatraea saccharalis (Fabricius)

Anon., 1960: 211, Barbados; Anon., 1960a: 58-59, Barbados; Gibson, W. W., and Carrillo S., 1959: 183, Mexico (Camp.); Clausen, 1956: 4-5, 44-45, 119-120, Fla.; Simmonds, 1955: 199-200, Dominica, Guadeloupe; Anon., 1954: 99, Costa Rica (as "*Paratheresis*" ex "*Ditraea*"); Mathes, Ingram, Questel, Thames and Dugas, 1954: 562, Fla., La.; Box, 1953: 30, 87, Guatemala, Panama; Simmonds, 1953: 126 (non N. Amer., lab.); Van Zwaluwenburg, 1953: 280-282, Mexico (as *Theresia*); Ingram, Mathes, Wilson and Hayslip, 1951: 356, Fla., La. (as *Theresia*); Van Zwaluwenburg, 1951: 374, Mexico (as *Theresia*); Wolcott, 1951a: 475, P.R.; Bartlett, 1943: 16-17 (as *P. diatraeae* (Brèthes), lab.); Bartlett, 1942: 19 (as *P. diatraeae*, lab.); Lee, 1942: 65, 67-68 (as *Theresia*, lab.); Ingram and Bynum, 1941: 9, Fla., La. (as *Theresia*); Lee, 1940: 102-104, 106 (as *Theresia*, lab.); Holloway, 1939: 261, Fla., La. (as *Theresia*); Ingram, Jaynes and Lobdell, 1939: 90-91, Fla. (as *Theresia*); Jaynes, 1939: 254-256, Fla., La. (as *Theresia*); Scaramuzza, 1939: 589-595 (as *Theresia*, lab.); Jaynes, 1938: 93-95, Fla., La. (as *Theresia*); Lobdell, 1937: 146, Fla. (as *Theresia* "*clarapalpis*"); Scaramuzza, 1934: 13-17 (lab.); Jaynes, 1933: 3-10, figs. 2-4 (non N. Amer.); Aldrich, 1929: 33, Honduras, Mexico (as *P. signifera* Townsend); Holloway, Haley, Loftin and Heinrich, 1928: 44, Mexico (V.C.) (as "*Parathesia*" *signifera*); Russo, 1927a: 138, Cent. Amer., Mexico (as *P. signifera*).

Diatraea tabernella Dyar

Box, 1953: 31, 87, Costa Rica, Panama.

Diatraea spp.

Gibson, W. W., and Carrillo S., 1959: 183, Mexico (V.C.);

Box, 1953: 31, 87, Mexico (V.C.); Simmonds, 1948: 68, U.S.; Bartlett, 1941: 8, fig. 6B (as *Theresia*).

Diatraea spp. probably

Painter, 1955: 41-42, Guatemala.

Ostrinia nubilalis (Hübner)

Baker, W. A., Bradley and Clark, 1949: 165 (ex *Pyrausta*, unsuccessful lab. rearing).

Zeadiatraea lineolata (Walker)

Richardson, 1959: 151, Mexico (V.C.); Scaramuzza, 1939: 591 (as *Theresia* ex *Diatraea*, unsuccessful lab. rearing).

Zeadiatraea lineolata (Walker) probably

Russo, 1927a: 138, Cent. Amer., Mexico (as *P. signifera* ex *Diatraea*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: First instar larva — Jaynes, 1933: (descr., fig. 2A-B).

Second instar larva — Jaynes, 1933: (descr., fig. 3).

Third instar larva — Jaynes, 1933: (descr., fig. 2C-E).

Pupa — Bartlett, 1941: (fig. 6B); Jaynes, 1933: (descr., fig. 4).

BIOLOGY: Clausen, 1956: (4-5, 44-45, 119-120); Simmonds, 1953: (126); Scaramuzza, 1939: (591); Scaramuzza, 1934: (13-17); Jaynes, 1933 (3-10).

Paratheresia diatraeae, see *Paratheresia claripalpis*

Paratheresia signifera, see *Paratheresia claripalpis*

Paratheresia spp.

HOST: LEPIDOPTERA

Pyralidae

Diatraea saccharalis (Fabricius)

Gibson, W. W., and Carrillo S., 1959: 183, Mexico (Camp., V.C.).

Diatraea spp. (including *D. impersonatella* (Walker) and/or *D. saccharalis* (Fabricius))

Fretay, 1960: 145, Guadeloupe (ex "*Diatrea*" (*saccharalis* or *impersonatella*)); Fretay, 1960a: 151, Guadeloupe.

Diatraea spp.

Gibson, W. W., and Carrillo S., 1959: 183, Mexico (V.C.).

Zeadiatraea lineolata (Walker)

Wellhausen, 1957: 268-269, Mexico (V.C.).

STAGE PARASITIZED: Larva, pupa.

"*Paratheresis*" *claripalpis*, see *Paratheresia claripalpis*

"*Parathesia*" *signifera*, see *Paratheresia claripalpis*

Parexorista cheloniae, see *Carcelia laxifrons*

Parexorista futilis, see *Euexorista futilis*

Parexorista sp., see *Carcelia* spp.

Patelloa Townsend (Goniinae: Eryciini)

Patelloa fuscimacula (Aldrich and Webber)

All records as *Phorocera fuscimacula*.

HOST: LEPIDOPTERA

Lymantriidae

Hemerocampa vetusta (Boisduval)

Atkins, 1958: 764, Calif.; Essig, 1926: 582, Calif.; Aldrich and Webber, 1924: 74, Calif.

Saturniidae

Antheraea polyphemus (Cramer)

Most records ex *Telea polyphemus*.

Collins, M. M., and Weast, 1961: 94 (ex *Antheraea*); Essig, 1926: 582, Calif.; Aldrich and Webber, 1924: 74, Calif.

STAGE PARASITIZED: Larva.

Patelloa leucaniae (Coquillett)

Most records as *Phorocera leucaniae*.

HOST: LEPIDOPTERA

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

*Aldrich and Webber, 1924: 45, 68, N.B. (ex *E. "chrysorrhoea,"* Tothill, 1913a); Tothill, 1913a: 58-59, N.B.

Hemerocampa leucostigma (J. E. Smith)

Schaffner and Griswold, 1934: 85, 114.

Noctuidae

Alabama argillacea (Hübner)

Allen, 1929: 686, Miss. (ex *A. "argillicae"*).

Pseudaletia unipuncta (Haworth)

Most records ex *Leucania unipuncta*.

*Aldrich and Webber, 1924: 45, 67 (ex *Cirphis*, Coquillett, 1897); Johnson, 1910: 780, N.J.; Coquillett, 1897: 19, 26, Tenn.

Armyworm(-s)

Johnson, 1925: 198, Conn., Mass.

Notodontidae

Datana ministra (Drury)

Patton, 1958: 79, Fla. (as *Patelloa*, incomplete rearing — pupa); Schaffner and Griswold, 1934: 74, 114.

Heterocampa guttivitta (Walker)

Raizenne, 1952: 88, Ont. (as *Patelloa*).

Psychidae

Thyridopteryx ephemeraeformis (Haworth)

Fattig, 1949: 26; Brimley, 1938: 363, N.C. (ex evergreen bagworm).

Pyralidae

Loxostege similalis (Guenée)

Aldrich and Webber, 1924: 45, 68; Coquillett, 1897: 19, 26, Ark.

Unidentified Lepidoptera

Miscellaneous

Rowe, 1933: 124, Ill. (ex cocoon).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Schaffner and Griswold, 1934: (114); Aldrich and Webber, 1924: (45, 67-68).

Patelloa leucaniae (Coquillett) probably

HOST: LEPIDOPTERA

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

Howard and Fiske, 1911: 93 (as ? *Phorocera*, incomplete rearing — pupa).

Patelloa sp. near *leucaniae* (Coquillett)

HOST: COLEOPTERA

Chrysomelidae

Lema trilineata trilineata (Olivier)

Fattig, 1949: 26-27 (as *Phorocera* ex *L. trilineata*).

Patelloa pachypyga (Aldrich and Webber)Most records as *Phorocera pachypyga*.

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma disstria HübnerSippell, 1961: 433, 435-436, fig. 7, Ont. (as *Patelloa*); Bess, 1936: 605; Schaffner and Griswold, 1934: 89, 115, N.J.*Malacosoma* spp.Ross, 1953: 19-20, 23, fig. 12, B.C. (as *Patelloa*).

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)Vide Aldrich and Webber, 1924: 71, New England (ex *E. "chrysorrhoea,"* Tothill, 1913); Tothill, 1913: 73, N.B. (as *Phorocera leucaniae* Coquillett).*Nygmia phaeorrhoea* (Donovan)

Burgess and Crossman, 1929: 143.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Sippell, 1961: (descr., fig. 7); Ross, 1953: (descr., fig. 12).

BIOLOGY: Schaffner and Griswold, 1934: (89, 115).

Patelloa pachypyga (Aldrich and Webber) probably

HOST: LEPIDOPTERA

Nymphalidae

Nymphalis antiopa (Linnaeus)Thompson, 1953b: 399 (as *Phorocera*).

STAGE PARASITIZED: Larva.

Patelloa spp.

HOST: LEPIDOPTERA

Geometridae

Drepanulatrix spp. (including *D. baueraria* Sperry and/or *D. monicaria* (Guenée))

Rindge, 1949: 285, 288, Calif.

Noctuidae

Crocigrapha normani (Grote)

Raizenne, 1952: 50, Que.

STAGE PARASITIZED: Pupa.

Pelatachina Meade (Dexiinae: Macquartiini)

Pelatachina pellucida Coquillett

HOST: LEPIDOPTERA

Nymphalidae

Nymphalis antiopa (Linnaeus)

Raizenne, 1952: 4, Ont. (as *Eohyria*); Dowden, 1935: 509 (ex *Hamadryas*); Schaffner and Griswold, 1934: 11, 108 (ex *Hamadryas*); Webber and Schaffner, 1926: 14-15, 29-30, New England (ex *Euvanessa*); Johnson, 1925: 189, Mass. (ex *Euvanessa*); Smith, H. E., 1917: 57, Mass. (ex *Euvanessa*).

Nymphalis milberti (Godart)

Schaffner and Griswold, 1934: 11, 108 (ex *Hamadryas*).

Vanessa atalanta (Linnaeus)

Schaffner and Griswold, 1934: 12, 108 (ex *Cynthia*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Smith, H. E., 1917: (descr.).

BIOLOGY: Dowden, 1935: (509); Schaffner and Griswold, 1934: (108); Webber and Schaffner, 1926: (14-15, 29-30); Smith, H. E., 1917: (57).

Pelecotheca macra, see "*Phorocera*" spp.

Peleteria Robineau-Desvoidy (Tachininae: Tachinini)

Peleteria aenea (Staeger)

HOST: LEPIDOPTERA

Lymantriidae

Byrdia groenlandica Wocke

Henriksen and Lundbeck, 1917: 621, Greenland (ex *Dasychira*, probable host).

Peleteria obsoleta Curran

HOST: LEPIDOPTERA

Noctuidae

Unidentified Noctuidae

Guppy, R., 1950: 4, B.C. (ex unknown phalaenid).

STAGE PARASITIZED: Larva.

Peleteria robusta, see *Peleteria texensis*

Peleteria "tessellata (Fabricius)"

HOST: LEPIDOPTERA

Noctuidae

Euxoa auxiliaris (Grote)

All records ex *Chorizagrotis auxiliaris*.

Crumb, 1929: 40, 99; Essig, 1926: 585, Mont.

Peleteria "tessellata (Fabricius)" probably

HOST: LEPIDOPTERA

Noctuidae

Euxoa auxiliaris (Grote)

Cooley, 1908: 146, Mont. (ex *Chorizagrotis agrestis* (Grote)).

STAGE PARASITIZED: Larva.

Peleteria texensis Curran

Most records as *Peleteria robusta* (Wiedemann).

HOST: LEPIDOPTERA

Lymantriidae

Hemerocampa vetusta (Boisduval)

Essig, 1926: 585, Calif.; Essig, 1915: 330, Calif.; Essig, 1913: 260, Calif.

Noctuidae

Agrotis orthogonia Morrison

All records ex *Porosagrotis orthogonia*.

Essig, 1926: 585, Alta.; Cook, W. C., 1923: 327, Mont. (as "*Pleteria*"); Parker, J. R., Strand and Seamans, 1921: 313, Mont.; Strickland, 1921: 98, Alta.

Euxoa auxiliaris (Grote)

*Vide Crumb, 1929: 40, 99 (ex *Chorizagrotis*, Aldrich, 1915); Aldrich, 1915: 84, Kans. (ex *C. agrestis* (Grote)).

Euxoa ridingsiana (Grote)

Aldrich, 1915: 84, Nev. (ex *Paragrotis*).

Heliophila spp.

Vickery, 1915: 391, Tex.

Leucania latiuscula Herrich-Schaeffer

All records ex *Cirphis latiuscula*.

Vickery, 1926: 1109-1111, 1116, fig. 3D, Tex.; Vickery, 1925: 140, Tex.

Leucania microgonia (Hampson)

Box, 1954: 551, Barbados (as "*Peletieria*" ex *Cirphis*);
Tucker, R. W. E., 1952: 351, Barbados.

Peridroma saucia (Hübner)

Anon., 1969: 59, Okla. (as *P. texensis*).

Pseudaletia unipuncta (Haworth)

Most records ex *Cirphis unipuncta*.

Vickery, 1926: 1116, Tex.; Vickery, 1925: 140, Tex.;

Reinhard, 1922: 73, Tex.; Aldrich, 1915: 83-84, Tex.
(ex *Leucania*).

Armyworm(-s)

Reinhard, 1919: 283, Tex.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Vickery, 1926: (fig. 3D); Greene, 1922:
(descr., fig. 71 on pl. 15).

BIOLOGY: Vickery, 1926: (1109-1111, 1116).

Peleteria thomsoni (Williston)

HOST: LEPIDOPTERA

Lepidoptera probably

Miscellaneous

Townsend, 1895: 72, Colo. (as *Echinomyia* ex unknown
larva on clover).

STAGE PARASITIZED: Larva.

Peleteria spp.

HOST: LEPIDOPTERA

Noctuidae

Agrotis orthogonia Morrison

Cook, W. C., 1930: 31, Mont. (ex *Porosagrotis*).

Pseudaletia unipuncta (Haworth)

Burrell, 1967: 114, La.

"*Peletieria*" *robusta*, see *Peleteria texensis*

Periscepsia Gistel (Dexiinae: Eriothrixini)

Periscepsia cinerosa (Coquillett)

All records as *Phorichaeta cinerosa*.

HOST: LEPIDOPTERA

Noctuidae

Euxoa auxiliaris (Grote)

*Crumb, 1929: 40, 99 (ex *Chorizagrotis*, Snow, 1925);
Snow, 1925: 606, 609, Utah.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Snow, 1925: (descr.); Greene, 1922:
(descr., fig. 37 on pl. 8).

BIOLOGY: Snow, 1925: (606, 609).

Periscepsia helymus (Walker)

HOST: LEPIDOPTERA

Noctuidae

Actebia fennica (Tauscher)

Most records ex *Agrotis fennica*.

Phipps, 1927: 212 (as *Phorichaeta sequax* (Williston));

Gibson, 1915: 14, Mich. (as *Wagneria sequax* ex *Noctua*); Cook, 1884: 5-6, Mich. (as *Scopolia sequax*);

Cook, 1884a: 424-425, Mich. (as *Scopolia sequax*).

Agrotis sp.

Coquillett, 1897: 19, 23 (as *Phorichaeta sequax*).

Amathes smithii (Snellen)

Wood and Neilson, 1957: 503, N.B. (as *Wagneria* ex *Graphiphora*).

Autographa californica (Speyer)

Clancy, 1969: 1079, Calif.

Cirphis sp.

Reinhard, 1955: 57, Wash. (as *Wagneria*).

Elaphria nucicolora (Guenée)

Vickery, 1925: 141, Tex. (as *Metachaeta* ex *Monodes*).

Epiglaea apiata (Grote)

Franklin, 1950: 57 (as *Phorichaeta sequax*).

Eupsilia devia (Grote)

Schaffner and Griswold, 1934: 51, 124 (as *Wagneria sequax* ex *Conistra*).

Euxoa auxiliaris (Grote)

Strickland, 1938: 218, Alta. (as *Wagneria sequax* ex army cutworm); *Crumb, 1929: 40, 99 (as *Phorichaeta sequax* ex *Chorizagrotis*, Strickland, 1916); Strickland, 1916: 22, Alta. (as *Phorichaeta sequax*).

Euxoa ochrogaster (Guenée)

King, K. M., and Atkinson, 1928: 170, 176, Sask. (as *Phorichaeta sequax*).

Faronta diffusa (Walker)

Webster, R. L., 1911: 181, Iowa (as *Metachaeta* ex *Meliana albilinea* (Hübner)).

Leucania commoides Guenée

Tothill, 1913: 73, Ont. (as *Phorichaeta sequax* ex *Heliophila*).

Lithophane innominata (Smith)

Reinhard, 1955: 58, Maine (as *Wagneria*).

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

All records ex *Graptolitha* spp. (including *G. disposita*, *G. innominata* and/or *G. petulca*).

Schaffner and Griswold, 1934: 48, 124 (as *Wagneria*);

Schaffner and Griswold, 1934: 48, 124 (as *Wagneria sequax*).

Peridroma saucia (Hübner)

Reinhard, 1955: 57, Calif. (as *Wagneria*).

Polia adjuncta (Boisduval)

Schaffner and Griswold, 1934: 44-45, 124 (as *Wagneria sequax*).

Pseudaletia unipuncta (Haworth)

Guppy, J. C., 1967: 97, 99, 102, Ont.; Baker, 1915: 86, Ont.

(as *Wagneria sequax* ex *Heliophila*); Gahan, 1915: 24,

Md. (as *Metachaeta* ex *Leucania*); Gibson, 1915: 14, Ont.

(as *Wagneria sequax* ex *Cirphis*).

Trichoplusia ni (Hübner)

Clancy, 1969: 1079, Calif.

Armyworm (-s)

Aldrich, 1915: 83, Md. (as *Metachaeta*).

Cutworm (-s)

Lintner, 1893: 238, N.Y. (as *Scopolia sequax*).

Unidentified Noctuidae

Schaffner and Griswold, 1934: 72, 124 (as *Wagneria*);

Schaffner and Griswold, 1934: 72, 124 (as *Wagneria*

sequax); Coquillett, 1897: 19, 26, Calif. (as *Phorichaeta sequax*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 44 on pl. 10 and fig. 76 on pl. 16).

BIOLOGY: Guppy, J. C., 1967: (97, 99, 102); Schaffner and Griswold, 1934: (124).

Periscepsia laevigata (Wulp)

Most records as *Wagneria laevigata*.

HOST: LEPIDOPTERA

Noctuidae

Elaphria nucicolora (Guenée)

Reinhard, 1955: 54.

Euxoa auxiliaris (Grote)

Reinhard, 1955: 54, Guatemala to Canada.

Lascoria ambigualis (Walker)

Reinhard, 1955: 54.

Lithophane sp.

Reinhard, 1955: 54 (ex *Graptolitha*).

Peridroma saucia (Hübner)

Anon., 1969: 59, Okla. (as *Periscepsia*).

Pseudaletia unipuncta (Haworth)

Guppy, J. C., 1967: 97, 99, 102, Ont. (as *Periscepsia*);

Breeland, 1958: 323, 333, Tenn.; Reinhard, 1955: 54,

Guatemala to Canada (ex *Cirphis*).

STAGE PARASITIZED: Larva.

Periscepsia rohweri (Townsend)

All records as *Wagneria rohweri*.

HOST: LEPIDOPTERA

Noctuidae

Agrotis orthogonia Morrison

Reinhard, 1955: 59, Colo. or Idaho or Wash.; Cook, W. C.,

1930: 31, Mont. (ex *Porosagrotis*).

Euxoa pallipennis (Smith)

Cook, W. C., 1930: 31, Mont.

Euxoa tristicula (Morrison)

Cook, W. C., 1930: 31, Mont.

Spaelotis clandestina (Harris)

Cook, W. C., 1930: 31, Mont. (ex *Agrotis unicolor* (Walker)).

Periscepsia spp.

Most records as *Phorichaeta* sp.

HOST: LEPIDOPTERA

Noctuidae

Agrotis sp. probably

Brauer and Bergenstamm, 1895: 569, 600.

Glaea sp.

Brauer and Bergenstamm, 1895: 569, 593.

Unidentified Lepidoptera

Leaf roller(-s)

Townsend, 1895: 78, Colo. (as *Scopolia* ex leaf-roller on choke-cherry).

Peteina stylata, see *Petinarctia stylata*

"Petina" stylata, see *Petinarctia stylata*

Petinarctia Villeneuve (Tachininae: Germariini)

Petinarctia stylata (Brauer and Bergenstamm)

HOST: LEPIDOPTERA

Lymantriidae

Byrdia groenlandica Wocke

Henriksen and Lundbeck, 1917: 622, E. Greenland (as
"Petina" ex *Dasychira*).

STAGE PARASITIZED: Larva.

Phasia Latreille (Phasiinae: Phasiini)

Phasia nigra (Brooks)

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Eurygaster spp.

Vojdani, 1961: 576, Calif. (as *Paraphasia*).

Phasia occidentis, see "*Phorantha occidentis*"

Phasia nearly allied to *Trichopoda pennipes*, see *Trichopoda* spp.

Phasioclista metallica, see *Myiophasia* "aenea" or *Myiophasia metallica*

Phasiops Coquillett (Proseninae: Trixini)

Phasiops flavus Coquillett

HOST: DIPTERA

Tabanidae

Tabanus petiolatus Hine

Patton, 1958: 79, Fla.

Tabanus petiolatus Hine probably

Jones and Anthony, 1964: 56-57, Fla.

Tabanus trimaculatus Palisot de Beauvois

Jones, T. H., and Bradley, 1923: 312.

Tabanus trimaculatus Palisot de Beauvois probably

Patton, 1958: 79, La.

Tabanus sp.

Jones, 1953: 1109, Fla.

HOST: LEPIDOPTERA

Pyralidae

Crambus spp.

Sabrosky and Arnaud, 1965: 980 (as *Phasiops* [sp.]).

STAGE PARASITIZED: Larva (Diptera, Lepidoptera).

Phasiops flavus Coquillett probably

HOST: DIPTERA

Tabanidae

Tabanus fumipennis Wiedemann

Patton, 1958: 79, Fla.

Phasiops sp., see *Phasiops flavus*

Phasmophaga Townsend (Goniinae: Hyperecteinini)

Phasmophaga antennalis Townsend

HOST: ORTHOPTERA

Phasmatidae

Diapheromera femorata (Say)

Severin, H. H. P., Severin and Hartung, 1915: 135 (lab.);

Townsend, 1909: 244, Wis. (ex "*Diapheromerata*").

IMMATURES: Pupa — Greene, 1922: (descr., fig. 13 on pl. 3).

BIOLOGY: Severin, H. H. P., Severin and Hartung, 1915: (135);

Townsend, 1909: (244).

Phasmophaga antennalis Townsend probably

HOST: ORTHOPTERA

Phasmatidae

Anisomorpha buprestoides (Stoll)

Neff and Eisner, 1960: 102, Fla. (as "*Phasmophora*");

Patton, 1958: 79, Fla.

STAGE PARASITIZED: Adult.

Phasmophaga meridionalis Townsend

HOST: ORTHOPTERA

Phasmatidae

Anisomorpha buprestoides (Stoll)

Patton, 1958: 79, Fla.; Russell, 1912: 117, Fla.; Townsend,

1909: 244, Fla.

STAGE PARASITIZED: Adult.

"*Phasmophora*" *antennalis* probably, see *Phasmophaga antennalis* probably

"*Pherostoma*" sp., see "*Phorostoma*" spp.

Philocalia Reinhard (Goniinae: Siphonini)

Philocalia tenuirostris Reinhard

HOST: LEPIDOPTERA

Tineidae

Amydria effrentella Clemens

Arnaud, 1959a: 186, Ill. (ex *A. "effrenatella"*).

Phoranthia Rondani (Phasiinae: Phasiini)

"*Phoranthia occidentis* (Walker)"

HOST: HEMIPTERA (HETEROPTERA)

Lygaeidae

Nysius angustatus Uhler

Aldrich, 1915: 81.

Nysius ericae (Schilling)

Milliken and Wadley, 1923: 28-31, Kans. (as *Phasia*).

Miridae

Leptopterna dolabrata (Linnaeus)

All records ex *Miris dolabratus*.

West, 1928: 806, N.Y. (as *Phoranthella*); Leonard, 1916: 236.

STAGE PARASITIZED: Nymph, adult.

IMMATURES: Third instar larva — Milliken and Wadley, 1923: (descr.).

Pupa — Milliken and Wadley, 1923: (descr.); Greene, 1922: (descr., fig. 46 on pl. 10).

BIOLOGY: Milliken and Wadley, 1923: (28-31).

Phoranthella occidentis, see "*Phoranthia occidentis*"

Phorichaeta cinerosa, see *Periscepsia cinerosa*

Phorichaeta sequax, see *Periscepsia helymus*

Phorichaeta sp., see *Periscepsia* spp.

Phorocera Robineau-Desvoidy (Goniinae: Exoristini)

Phorocera agilis, see *Parasetigena agilis*

Phorocera claripennis, see *Euphorocera claripennis*

Phorocera coccyx, see *Palpexorista coccyx*

"*Phorocera*" *comstocki* Williston

HOST: HYMENOPTERA

Diprionidae

Diprionid spp. (including *Diprion* spp. and/or *Neodiprion* spp.)

All records ex *Lophyrus* spp.

*Aldrich and Webber, 1924: 79, Ill. (Townsend, 1893);
Brauer and Bergenstamm, 1895: 569, 598; Townsend,
1893: 467, Ill.

HOST: LEPIDOPTERA

Cossidae

Cossula magnifica (Strecker)

Fattig, 1949: 26; Brimley, 1938: 363, N.C.; Leiby, 1925: 49, N.C.; *Aldrich and Webber, 1924: 79, N.C. (Brimley, 1922); Brimley, 1922: 25, N.C.

Megathymidae

Megathymus yuccae (Boisduval and LeConte)

Remington, 1959: 179-181, 183, Ga. (as *Pales*); Aldrich and Webber, 1924: 78, S.C.; Coquillett, 1897: 19, 26, S.C.; *Brauer and Bergenstamm, 1895: 569, 599 (Williston, 1889); Williston, 1889: 1914, 1922.

Pyralidae

Melitara dentata (Grote)

Mann, 1969: 14, 33; Mann, 1969: 14, 35 (ex *M. doddalis* Dyar).

Olycella junctolineella (Hulst)

Hunter, Pratt and Mitchell, 1912: 27, 46, Tex. (ex *Melitara*).

Ostrinia spp. (including *O. obliteralis* (Walker) and/or *O. penitalis* Grote)

*Aldrich and Webber, 1924: 79, Ill. (ex *Pyrausta penitalis*, Townsend, 1893); *Ainslie, G. G., and Cartwright, 1921: 843 (ex *Pyrausta penitalis* or *P. ainsliei* Heinrich, Townsend, 1893); *Brauer and Bergenstamm, 1895: 569, 585, N. Amer. (ex *Botys penitalis*, Townsend, 1893); Townsend, 1893: 467, Ill. (ex "*Botis*" *penitalis*).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

BIOLOGY: Remington, 1959: (179-181, 183).

Phorocera doryphorae, see *Doryphorophaga doryphorae*

Phorocera edwardsii, see *Euphorocera edwardsii*

Phorocera erecta, see *Pseudoperichaeta erecta*

Phorocera sp. near *erecta*, see *Pseudoperichaeta* sp. near *erecta*

Phorocera flavicauda, see *Prophryno parviteres*

Phorocera floridensis, see *Euphorocera floridensis*

Phorocera sp. near *floridensis*, see *Euphorocera* sp. near *floridensis*

Phorocera fuscimacula, see *Patelloa fuscimacula*

"*Phorocera*" *halisidotae* Aldrich and Webber

HOST: LEPIDOPTERA

Arctiidae

Halisidota maculata (Harris)

Essig, 1926: 582, Idaho; Aldrich and Webber, 1924: 85, Idaho (ex "*Halisidota*").

Phorocera hamata, see *Diplostichus lophyri*

Phorocera sp. near *hamata*, see *Diplostichus* sp. near *lophyri*

"*Phorocera*" *incrassata* Smith

HOST: LEPIDOPTERA

Tortricidae

Choristoneura fumiferana (Clemens)

Coppel, 1960: 94, 97, B.C.; Carolin and Coulter, 1959: 552-554, Oreg.; Ross, 1952: 108, fig. 3, Canada; Anon., 1950d: 238, 246, 248, B.C.; Wilkes, 1949: 111, B.C. (ex *Archips*); Wilkes, Coppel and Mathers, 1949: 140, 146, 149, 151, 153, B.C.; Anon., 1948b: 355, 366, 371, B.C.; Dowden, Buchanan and Carolin, 1948: 458 (ex *Archips*); Coppel, 1947: 39, B.C. (ex *Archips*); Wilkes, 1946: 83-86, B.C. (ex *Archips*); Baird, 1945: 126, 133, 137, B.C. (ex *Archips*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Ross, 1952: (fig. 3).

BIOLOGY: Coppel, 1947: (39).

Phorocera leucaniae, see *Patelloa leucaniae*

Phorocera sp. near *leucaniae*, see *Patelloa* sp. near *leucaniae*

Phorocera longiuscula, see *Palpexorista coccyx*

Phorocera lophyri, see *Diplostichus lophyri*

Phorocera macra, see "*Phorocera*" spp.

Phorocera sp. near *macra*, see "*Phorocera*" spp.

Phorocera marginalis, see *Prophryno marginalis*

Phorocera meracanthae, see *Catagoniopsis meracanthae*

Phorocera "namata," see *Diplostichus lophyri*

Phorocera noctuiformis, see *Nilea noctuiformis*

Phorocera sp. near *noctuiformis*, see *Nilea* sp. near *noctuiformis*

Phorocera omissa, see *Euphorocera omissa*

Phorocera pachypyga, see *Patelloa pachypyga*

"*Phorocera parva* Bigot"

HOST: LEPIDOPTERA

Pyralidae

Loxostege similalis (Guenée)

Coquillett, 1897: 19, 26.

Udea rubigalis (Guenée)

All records ex *Phlyctaenia ferrygalis* Hübner.

Gibson, 1919: 629, Ill., Pa. (ex *P. "ferrugalis"*); Davis, J. J., 1912: 100, Ill.

Tortricidae

Argyrotaenia citrana (Fernald)

All records ex *Tortrix citrana*.

Essig, 1915: 442, Calif.; Essig, 1913: 176, Calif.; Coquillett, 1897: 19, 27, Calif.

STAGE PARASITIZED: Larva.

Phorocera parviteres, see *Prophryno parviteres*

Phorocera promiscua, see *Lespesia archippivora*

Phorocera pumilio, see *Pseudoperichaeta insidiosa*

Phorocera saundersii, see *Madremyia saundersii*

"*Phorocera*" *signata* Aldrich and Webber

HOST: LEPIDOPTERA

Cossidae

Cossula magnifica (Strecker)

Aldrich and Webber, 1924: 87, S.C.

Noctuidae

Papaipema nebris (Guenée)

Aldrich and Webber, 1924: 82, Tenn. (as *P. xanthura* Aldrich and Webber ex *P. nitela* (Guenée)).

Phorocera sp. near *specularis*, see *Catagoniopsis* sp. near *specularis*

Phorocera sternalis, see *Nilea sternalis*

Phorocera subnitens probably, see *Euphorocera subnitens* probably

Phorocera sp. near "tachinomiodes," see *Euphorocera* sp. near *tachinomoides*

Phorocera tachinomoides, see *Euphorocera tachinomoides*

Phorocera tenuiseta, see "*Phorocera*" *victoria*

"*Phorocera*" *texana* Aldrich and Webber

HOST: LEPIDOPTERA

Megathymidae

Agathymus baueri (Stallings and Turner)

Roever, 1964: 116, 119, Ariz.

Agathymus chisosensis (Freeman)

Roever, 1964: 116.

Agathymus evansi (Freeman)

Roever, 1964: 116, Ariz.

Agathymus freemani Stallings and Turner

Roever, 1964: 116, 119, Ariz.

Agathymus neumogeni (Edwards)

Roever, 1964: 116, 119, Ariz. (ex *A. aryxna* (Dyar)).

Pyralidae

Melitara dentata (Grote)

Mann, 1969: 14, 33; Mann, 1969: 14, 35 (ex *M. doddalis* Dyar).

Melitara prodenialis Walker

Mann, 1969: 14, 32, Tex.

Melitara spp.

Mann, 1969: 14, 37, Tex.; Aldrich and Webber, 1924: 79, Tex. (ex *Melitara* in *Opuntia* [sp.]).

Olycella junctolineella (Hulst)

Mann, 1969: 14, 39.

Olycella nephelepasa (Dyar)

Mann, 1969: 14, 40, Mexico (S.L.P.).

STAGE PARASITIZED: Larva, pupa.

Phorocera "torbricis," see *Hemisturmia tortricis*

Phorocera "torticis," see *Hemisturmia tortricis*

Phorocera tortricis, see *Hemisturmia tortricis*

"*Phorocera victoria* Aldrich and Webber"

HOST: LEPIDOPTERA

Arctiidae

Unidentified Arctiidae probably

Aldrich and Webber, 1924: 83, B.C. (as *P. tenuiseta* Aldrich and Webber).

STAGE PARASITIZED: Pupa.

Phorocera xanthura, see "*Phorocera*" *signata*

Phorocera sp. near *Zenillia lobeliae*, see "*Exorista*" sp. near *lobeliae*

"*Phorocera*" spp.

HOST: HYMENOPTERA

Diprionidae

Neodiprion excitans Rohwer

Hetrick, 1959: 161, Fla.

Neodiprion lecontei (Fitch)

*Vide Arnaud, 1963a: 4, 53, Va. (as *P. macra* Wulp, Benjamin, 1955; Middleton, 1921); Benjamin, 1955: 20, U.S. (as *Pelecotheca macra*); Bentley, 1940: 191, Ala.; Greene, 1921: 41-42, D.C. (as *P.* sp. (near *macra*)); Middleton, 1921: 757 (as *Neopales* "maera").

Neodiprion swainei Middleton

Atwood, 1944: 59, Que.

Neodiprion spp.

Greene, 1921: 41, Va.; Greene, 1921: 42, Conn. (as *P. sp.*, near *macra*).

Tenthredinidae

Pristiphora erichsonii (Hartig)

Hopping, Leech and Morgan, 1943: 59, B.C.

Unidentified Hymenoptera

Pitch pine sawfly(-flies)

*Procter, 1946: 432, Maine (Procter, 1938); Procter, 1938: 373, Maine.

HOST: LEPIDOPTERA

Arctiidae

Estigmene acrea (Drury)

Bibby, 1961: 327, Ariz. (ex salt-marsh caterpillar).

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

All records ex *Orgyia leucostigma*.

Howard, 1898: 88, D.C.; Howard, 1897a: 17, D.C.

Noctuidae

Trichoplusia ni (Hübner)

Sutherland, 1966: 38-39, N.Y.

Armyworm(-s)

Annand, 1945: 146, Fla.

Nymphalidae

Chlosyne harrisii (Scudder)

All records ex *Cinclidia harrisii*.

*Brauer and Bergenstamm, 1895: 569, 587 (Williston, 1889); Williston, 1889: 1913-1914.

Nymphalis antiopa (Linnaeus)

Schaffner and Griswold, 1934: 10 (ex *Hamadryas*).

Pieridae

Colias eurytheme Boisduval

Lochhead, 1919: 176 (ex *Eurymus*).

Pyralidae

Diatraea sp.

Gibson, W. W., and Carrillo S., 1959: 183 (ex "*Diarnea*," lab.).

Laniifera cyclades Druce

Mann, 1969: 14, 77, Mexico (ex *Megastes*).

Loxostege similalis (Guenée)

Brauer and Bergenstamm, 1895: 569, 598.

Zygaenidae

Harrisina brillians Barnes and McDunnough

Clausen, 1955: 78, Ariz., Mexico.

Harrisina spp.

Clausen, 1961: 618.

Unidentified Lepidoptera

Hog moth(-s)

Fattig, 1949: 27.

STAGE PARASITIZED: Larva (Hymenoptera, Lepidoptera),
pupa (Hymenoptera, Lepidoptera).

IMMATURES: Pupa — Greene, 1922: (descr., fig. 91 on pl. 19).

BIOLOGY: Bentley, 1940: (191).

Phorostoma Robineau-Desvoidy (Proseninae: Prosenini)

Phorostoma novaeangliae, see *Carinosillus novaeangliae*

Phorostoma tabanivorus, see *Carinosillus tabanivorus*

Phorostoma n. sp., see *Carinosillus tabanivorus*

Phorostoma sp., see *Palpozenillia palpalis*

"*Phorostoma*" spp.

HOST: DIPTERA

Tabanidae

Tabanus trimaculatus Palisot de Beauvois

Philip, 1931: 68, Minn.

HOST: LEPIDOPTERA

Pyralidae

Diatraea saccharalis (Fabricius)

Holloway, Haley, Loftin and Heinrich, 1928: 44, Mexico (Nay.); Russo, 1927a: 138, Mexico (as "*Pherostoma*").

Diatraea spp.

Van Zwaluwenburg, 1951: 374, Mexico (Nay.).

Zeadiatraea lineolata (Walker) probably

Russo, 1927a: 138, Mexico (as "*Pherostoma*" ex *Diatraea*).

STAGE PARASITIZED: Larva (Diptera, Lepidoptera).

Phosococephalops crassicornis, see *Gonia crassicornis*

"*Phosococephalus*" *crassicornis*, see *Gonia crassicornis*

"*Phryx*" *vulgaris*, see *Phryxe vulgaris*

Phrynofrontina Townsend (Goniinae: Blondeliini)

Phrynofrontina discalis (Coquillett)

HOST: LEPIDOPTERA

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

Howard and Fiske, 1911: 93 (as *Sturmia*).

Phrynofrontina spp.

HOST: LEPIDOPTERA

Olethreutidae

Petrova metallica (Busck)

Stark, 1959: 162, Rocky Mt. region of Canada.

Pyralidae

Dioryctria abietella (Denis and Schiffermüller) probably

Ebel, 1965: 629, Fla.

Dioryctria amatella (Hulst)

Ebel, 1965: 628, Fla.

Dioryctria clarioralis (Walker)

Ebel, 1965: 630, Fla.

STAGE PARASITIZED: Larva.

Phrynolydella eufitchiae, see *Blondelia eufitchiae*

Phrynolydella hyphantriae, see *Blondelia hyphantriae*

Phrynolydella sp., see *Blondelia* spp.

"*Phryxa*" *pecosensis*, see *Phryxe pecosensis*

Phryxe Robineau-Desvoidy (Goniinae: Eryciini)

Phryxe pecosensis (Townsend)

HOST: HYMENOPTERA

Tenthredinidae

Pikonema alaskensis (Rohwer)

Raizenne, 1957: 32, Ont.

HOST: LEPIDOPTERA

Danaidae

Danaus plexippus plexippus (Linnaeus)

Sellers, 1943: 36 (ex *D. plexippus*).

Geometridae

Alsophila pometaria (Harris)

Sellers, 1943: 37.

Cingilia catenaria (Cramer)

Sellers, 1943: 36.

Ennomos subsignarius (Hübner)

Sellers, 1943: 36.

Erannis tiliaria (Harris)

Raizenne, 1952: 142, Ont., Que.; Sellers, 1943: 36.

Lambdina fiscellaria fiscellaria (Guenée)

Most records ex *Lambdina fiscellaria*.

Carroll, 1956: 594, Nfld. (ex *L. fiscellaria fiscellaria*);

Reeks, Forbes and Cuming, 1947: 13, Nfld.; Reeks,

Smith and Forbes, 1946: 13, Nfld. (as "*Phryxa*").

Operophtera brumata (Linnaeus)

Smith, C. C., 1950: 106, N.S. (questionable host).

Hesperiidae

Thymelicus lineola (Ochsenheimer)

Arthur, 1962: 1085, Ont.

Noctuidae

Heptagrotis phyllophora (Grote)

Wood and Neilson, 1957: 505, N.B.

Lithophane antennata (Walker)

Sellers, 1943: 37 (ex *Graptolitha*).

Pseudaletia unipuncta (Haworth)

Pond, 1960: 665, N.B.; Sellers, 1943: 36-37 (ex *Cirphis*).

Noctuid spp. (including *Mamestra configurata* Walker and/or

Peridroma saucia (Hübner))

Anon., 1962: 121, B.C.; Handford, 1962: 19, B.C.
Unidentified Noctuidae
Sellers, 1943: 36.

Pieridae

Pieris rapae (Linnaeus)
Maw and Coppel, 1953: 392-403, figs. 1-16 (lab.).

Pyralidae

Dioryctria reniculella (Grote)
McLeod, J. M., and Daviault, 1963: 316, Que.
Nephoteryx subcaesiella (Clemens)
Schaffner, 1959: 17, 53, Maine (ex *Salebria*).

Saturniidae

Hemileuca spp. (including *H. lucina* H. Edwards or *H. maia*
(Drury))
Sellers, 1943: 37.

Tortricidae

Acleris variana (Fernald)
Miller, C. A., 1966: 603, N.B.; Reeks, Forbes and Cuming,
1947: 12, [maritime prov.].
Aphelia alleniana (Fernald)
Martin, 1958: 46, Ont. (ex *Tortrix*).
Archips argyrospilus (Walker)
LeRoux, 1961: 115, Que.; vide Sellers, 1943: 36-37 (Regan,
1923); Regan, 1923: 53, Mont. (as *Zenillia vulgaris*
(Fallén) ex *Cacoecia*).
Archips cerasivoranus (Fitch)
Sellers, 1943: 36.
Archips infumatanus (Zeller)
Sellers, 1943: 37.
Choristoneura conflictana (Walker)
Schaffner, 1959: 32, 53, Maine (ex *Archips*); Prentice, 1955:
471, Man., Sask.
Choristoneura fumiferana (Clemens)
Blais, 1965: 131-134, Que.; MacDonald and Webb, 1963:
299, N.B.; Miller, 1963: 237-239, N.B.; Blais, 1960:
387-388, 390-392, Que. (ex spruce budworm); Coppel,

1960: 94, 97, B.C.; Carolin and Coulter, 1959: 553, Oreg.; McGugan and Blais, 1959: 765, Ont.; Boyes and Wilkes, 1953: 126, 152; Dowden, Jaynes and Carolin, 1953: 309, Maine; Maw and Coppel, 1953: 392, Nfld., Que.; Anon., 1952b: 178, 184, 186, B.C.; Anon., 1952g: 288, 292, 295, B.C.; Jaynes and Drooz, 1952: 1058, 1060, Maine, N.Y.; Raizenne, 1952: 219, Ont.; Ross, 1952: 108, fig. 5, Canada; Anon., 1950c: 239, 246, 248, B.C.; Daviault, 1950: 42-45, Que.; Dowden and Carolin, 1950: 778-781, N.Y. (ex *Archips*); Anon., 1949: 272, 283, 285, B.C.; Wilkes, Coppel and Mathers, 1949: 140, 146, 149, 151, 153, B.C.; Anon., 1948: 285, 293, 295, B.C.; Dowden, Buchanan and Carolin, 1948: 458-461 (ex *Archips*); Reeks, Forbes and Cuming, 1947: 12, Nfld. (ex *Archips*); Wilkes and Anderson, 1947: 41, 43, Ont., Que. (ex *Archips*); Reeks, 1946: 25, N.B., Nfld. (ex *Archips*); Reeks, Smith and Forbes, 1946: 12, Nfld. (as "*Phryxa*" ex *Archips*).

Choristoneura pinus Freeman

Allen, D.C., Knight, Foltz and Mattson, 1969: 1471-1472, 1474-1475, Mich.; Dixon and Benjamin, 1963: 267-270, Wis.; Kulman and Hodson, 1961: 222, Minn.; Drooz and Benjamin, 1956: 412-413, Mich.; Benjamin and Drooz, 1954: 589-590, Mich.

Choristoneura rosaceana (Harris)

Raizenne, 1952: 214, Ont. (ex *Archips*).

Unidentified Lepidoptera

Miscellaneous

Sellers, 1943: 36.

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

IMMATURES: Egg — Maw and Coppel, 1953: (descr., fig. 1).

First instar larva — Maw and Coppel, 1953: (descr., figs. 2-5).

Second instar larva — Maw and Coppel, 1953: (descr., figs. 6-8).

Third instar larva — Maw and Coppel, 1953: (descr., figs. 9-11).

Pupa — Maw and Coppel, 1953: (descr., figs. 12-16); Ross, 1952: (fig. 5).

BIOLOGY: Schaffner, 1959: (17, 32, 53); Maw and Coppel, 1953: (392-403); Sellers, 1943: (37).

Phryxe pecosensis (Townsend) probably

HOST: LEPIDOPTERA

Geometridae

Synchlora spp. (including *S. aerata* (Fabricius) and/or *S. liquoraria albolineata* Packard)

All records ex *Synchlora rubrifrontaria* Packard.

*Vide Sellers, 1943: 37 (ex "*Synchlora*," Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 91, 113 (as *Zenillia vulgaris* (Fallén)).

Noctuidae

Nephelodes emmedonia (Cramer)

Sellers, 1943: 37.

Pyralidae

Ostrinia spp. (including *O. obliteralis* (Walker) and/or *O. penitalis* Grote)

*Vide Sellers, 1943: 37 (ex *Pyrausta penitalis*, Townsend, 1893); *vide Ainslie, G. G., and Cartwright, 1921: 843 (as *Exorista vulgaris* ex *Pyrausta penitalis* or *P. ainsliei* Heinrich, Townsend, 1893); *Chittenden, 1918: 456, Ill. (as *Exorista vulgaris* ex *Pyrausta penitalis*, Townsend, 1893); *Brauer and Bergenstamm, 1895: 545, 585 (as *Blepharidea hirsuta* (Osten Sacken) ex *Botys penitalis*, Townsend, 1893); Townsend, 1893: 467, Ill. (as *Exorista hirsuta* ex "*Botis*" *penitalis*).

Tortricidae

Choristoneura fumiferana (Clemens)

*Vide Sellers, 1943: 37 (ex *Archips*, Essig, 1926; Johnson, 1925; Tothill, 1913); Essig, 1926: 581 (as *Zenillia vulgaris* ex *Harmologa*); Johnson, 1925: 196, Maine, Mass., N.H. (as *Zenillia vulgaris* ex *Harmologa*); Tothill, 1913: 71, Que. (as *Exorista vulgaris* ex *Tortrix*).

STAGE PARASITIZED: Larva.

Phryxe vulgaris (Fallén)

HOST: LEPIDOPTERA

Danaidae

Danaus plexippus plexippus (Linnaeus)

Schaffner and Griswold, 1934: 8, 113 (as *Zenillia* ex *D.*

menippe (Hübner)); Webber and Schaffner, 1926: 23, New England (as *Zenillia* ex *Anosia plexippus*).

Geometridae

Alsophila pometaria (Harris)

Schaffner and Griswold, 1934: 90, 113 (as *Zenillia*).

Cingilia catenaria (Cramer)

Schaffner and Griswold, 1934: 98, 113 (as *Zenillia*).

Ennomos subsignarius (Hübner)

Schaffner and Griswold, 1934: 99-100, 113, Mass. (as *Zenillia*).

Erannis tiliaria (Harris)

Schaffner and Griswold, 1934: 97-98, 113 (as *Zenillia*).

Lymantriidae

Porthetria dispar (Linnaeus)

Sellers, 1943: 34.

Noctuidae

Lithophane antennata (Walker)

Schaffner and Griswold, 1934: 49, 113 (as *Zenillia* ex *Graptolitha*).

Pseudaletia unipuncta (Haworth)

All records ex *Cirphis unipuncta*.

Schaffner and Griswold, 1934: 47, 113 (as *Zenillia*); Essig, 1926: 581 (as *Zenillia*); Gibson, 1915: 14, N.B., N.S.

Trichoplusia ni (Hübner)

Sutherland, 1966: 38-39, N.Y.

Unidentified Noctuidae

Schaffner and Griswold, 1934: 72, 113 (as *Zenillia*).

Pieridae

Pieris rapae (Linnaeus)

Fitzpatrick, 1967: 15, B.C.; Wilkinson, 1966: 1012-1013, B.C.; Anon, 1963b: 19, Ont.; Harcourt, 1963: 65, Ont.; Beirne, 1962: 19, Ont.; Anon., 1961a: 299, B.C.; Pimentel, 1961: 889-891, N.Y. (as "*Phryx*"); Anon., 1957: 172, E. Canada; Hudon, 1957: 546, Que.; Sellers, 1943: 34-35; Schaffner and Griswold, 1934: 7-8, 113 (as *Zenillia* ex *Ascia*); Essig, 1926: 581 (as *Zenillia*);

Johnson, 1925: 196, Maine, Mass., N.H. (as *Zenillia* ex *Pontia*); Aldrich and Webber, 1924: 27-28, probably N.Y. (as *Zenillia*); Chittenden, 1916: 9 (as *Exorista* ex *Pontia*); Essig, 1915: 458, Calif. (as *Exorista* ex *Pontia*); Brauer and Bergenstamm, 1895: 545, 602 (as *Blepharidea hirsuta* (Osten Sacken)); Williston, 1889: 1914, 1920 (as *Exorista hirsuta*); Osten Sacken, 1887: 164 (as *Tachina hirsuta*).

Pyralidae

Evergestis straminealis (Hübner)

Schaffner, 1959: 8, 53, Mass.; Sellers, 1943: 34.

Loxostege commixtalis (Walker)

Hoerner, 1933: 12 (as *Zenillia*).

Saturniidae

Hemileuca spp. (including *H. lucina* H. Edwards and/or *H. maia* (Drury))

Schaffner and Griswold, 1934: 29, 113 (as *Zenillia*).

Tortricidae

Archips argyrospilus (Walker)

Schaffner, 1959: 30, 53, Mass.

Choristoneura fumiferana (Clemens)

Most records ex *Tortrix fumiferana*.

Schaffner, 1959: 32, 53, Mass. (ex *Choristoneura*); Winn and Beaulieu, 1915: 142, Que. (as *Exorista* ex *T. "fum-ferana"*); Johannsen, 1913: 25, Maine (as *Exorista*).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Harcourt, 1963: (65); Schaffner, 1959: (8, 30, 32, 53); Sellers, 1943: (35); Schaffner and Griswold, 1934: (113).

Phryxe sp.

HOST: LEPIDOPTERA

Pyralidae

Loxostege commixtalis (Walker)

Maxson, 1920: 85, 144, [Colo.].

STAGE PARASITIZED: Larva.

Phyllomya sp. near *aenea*, see *Elfia* sp. near *aenea*

Phyllomyia columbia, see *Erynnia tortricis*

Phyllophilopsis Townsend (Dexiinae: Urodexiini)

Phyllophilopsis evanida Reinhard

HOST: COLEOPTERA

Endomychidae

Endomychus biguttatus Say

Reinhard, 1958: 234, Md.

STAGE PARASITIZED: Larva.

Phytomyptera Rondani (Goniinae: Siphonini)

Phytomyptera leucoptera, see *Dichaetoneura leucoptera*

Phytomyptera walleyi Brooks

HOST: LEPIDOPTERA

Olethreutidae

Zeiraphera ratzeburgiana (Ratzeburg)

Brooks, 1945: 92, Ont.

"*Phytomyptera*" *leucoptera*, see *Dichaetoneura leucoptera*

Phytopsis californica, see *Athanatus californicus*

Pilatea Townsend (Goniinae: Eryciini)

Pilatea arator (Aldrich)

Most records as *Masicera arator*.

HOST: DIPTERA

Tipulidae

Unidentified Tipulidae

Curran, 1927a: 17, Que. (as *Erycia*); Aldrich, 1925b: 33,
Que. (ex large *Tipula* larva).

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma americanum (Fabricius)

West, 1928: 816, N.Y.

STAGE PARASITIZED: Larva (Diptera).

BIOLOGY: Aldrich, 1925b: (33).

Pilatea delecta (Curran)

HOST: LEPIDOPTERA

Noctuidae

Autographa californica (Speyer)

Spencer, 1936: 28, B.C. (as *Lydella*).

STAGE PARASITIZED: Larva.

Pilatea occidentalis (Coquillett)

IMMATURES: Pupa — Greene, 1922: (as *Sturmia*; descr., fig. 98 on pl. 20).

Plagia americana, see *Voria ruralis*

Plagia ruralis probably, see *Voria ruralis* probably

Plagiomima Brauer and Bergenstamm (Tachininae: Voriini)

Plagiomima cognata Aldrich

HOST: LEPIDOPTERA

Noctuidae

Heliothis spp.

Butler, 1958: 562, Ariz.

STAGE PARASITIZED: Larva.

Plagiomima spinosula (Bigot) probably

HOST: LEPIDOPTERA

Noctuidae

Heliothis spp.

Bottrell, Young, Price and Adams, 1968: 1054, Okla.

"*Plagioprospherysa*" *parvipalpis*, see *Stomatomyia parvipalpis*

Plagioprospherysa parvipalpis, see *Stomatomyia floridensis*
or *Stomatomyia parvipalpis*

Plagioprospherysa sp., see *Stomatomyia* sp.

Plectops amplicornis, see *Elfia amplicornis*

Plectops "currei", see *Elfia curriei*

Plectops curriei, see *Elfia curriei*

Plectops melissopodis, see *Elfia melissopodis*

Plectops sp. near *usitata*, see *Elfia* sp. near *usitata*

Plectops sp., see *Elfia* spp.

"*Pleteria*" *robusta*, see *Peleteria texensis*

Polistomyia subdivisa, see *Trichopoda subdivisa*

Polychaetoneura elyii, see *Actia americana*

Prolixophaga plumbea, see *Lixophaga plumbea*

Prophryno Townsend (Goniinae: Eryciini)

Prophryno marginalis (Aldrich and Webber)

All records as *Phorocera marginalis*.

HOST: LEPIDOPTERA

Geometridae

Semiothisa punctolineata (Packard)

All records ex *Macaria punctolineata*.

Vickery, 1925: 141, Tex.; Aldrich and Webber, 1924: 84, Tex.

STAGE PARASITIZED: Larva.

Prophryno parviteres (Aldrich and Webber)

HOST: LEPIDOPTERA

Geometridae

Melanchroia cephise (Cramer)

Wolcott, 1951a: 479, P.R. (as *Phorocera*).

Noctuidae

Plathypena scabra (Fabricius)

Hill, 1925: 17, Miss., Tenn. (as *Phorocera flavicauda* Wulp).

Pieridae

Ascia monuste (Linnaeus)

Wolcott, 1951a: 479, P.R. (as *Phorocera*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 85 on pl. 18).

Prosenia Lepeletier and Serville (Proseninae: Prosenini)

Prosenia siberita (Fabricius)

HOST: COLEOPTERA

Scarabaeidae

Popillia japonica Newman

Fleming, 1963: 25, N.J.; Clausen, 1956: 6, 23, 123-124, N.J. (as *P. "sibirita"*); King and Parker, 1941: 127, 131, N.J. (as *P. "sibirita"* ex Japanese beetle); Gardner and Parker, 1940: 3, 10-11, 32, U.S. (as *P. "sibirita"*); King, 1939: 26, N.J. (ex Japanese beetle); Hadley, 1938: 211-213, N.J.; Sweetman, 1936: 122-123, 233, 243, fig. 105a, N. Amer.; King, 1931: 453, 457-458, N.J., Pa.; King, 1930: 160, N.J.; Smith, L. B., 1930: 500 (ex Japanese beetle); King, 1928: 405-406, fig. 133; Clausen, King and Teranishi, 1927: 4, 20-25, 54, figs. 14B, 20F-20I, 21A (non N. Amer.).

STAGE PARASITIZED: Larva.

IMMATURES: First instar larva — Clausen, King and Teranishi, 1927: (descr., fig. 20F-20H).

Third instar larva — King, 1928: (fig. 133); Clausen, King and Teranishi, 1927: (descr., fig. 20I, 21A).

Larva — Sweetman, 1936: (fig. 105a).

Pupa — Clausen, King and Teranishi, 1927: (descr., fig. 14B).

BIOLOGY: Clausen, 1956: (6, 23, 123-124); King, 1939: (26); Hadley, 1938: (211-212); Sweetman, 1936: (122-123, 233, 243); King, 1931: (453, 457-458); King, 1928: (405-406); Clausen, King and Teranishi, 1927: (4, 20-25, 54).

Prosenia "sibirita," see *Prosenia siberita*

Prosenia spp.

HOST: COLEOPTERA

Scarabaeidae

Adoretus spp.

Agee, 1917: 17 (lab.); Agee, 1916a: 344-345 (lab.); Agee, 1916b: 8 (lab).

Anomala spp.

Agee, 1918: 35 (lab.); Agee, 1918a: 13 (lab.); Agee, 1917: 17 (lab.); Agee, 1916a: 344-345 (lab.); Agee, 1916b: 8 (lab.).

STAGE PARASITIZED: Larva.

BIOLOGY: Agee, 1917: (17); Agee, 1916a: (344-345); Agee, 1916b: (8).

Prosopaea Brauer and Bergenstamm (Goniinae: Eryciini)

"*Prosopaea*" spp.

HOST: LEPIDOPTERA

Noctuidae

Aletia sp.

Brauer and Bergenstamm, 1895: 570, 581.

Notodontidae

Cerura sp.

Brauer and Bergenstamm, 1895: 570, 586, N. Amer.

Sphingidae

Smerinthus ophthalmicus Boisduval

Brauer and Bergenstamm, 1895: 571, 606, N. Amer.

Prospherysa Wulp (Goniinae: Blondeliini)

Prospherysa promiscua, see *Lespesia archippivora*

Prospherysa similis, see *Tachinomyia similis*

"*Prospherysa*" sp.

HOST: HYMENOPTERA

Sphecidae

Bembix nubilipennis (Cresson)

Lafler, 1896: 62-63, Nebr. (as "*Prosphorysa*" ex stores in nest of "*Bembex*").

"*Prosphorysa*" sp., see "*Prospherysa*" sp.

Psalidopteryx Townsend (Goniinae: Graphogastrini)

Psalidopteryx macdunnoughi Brooks

HOST: LEPIDOPTERA

Scythridae

Scythris epilobiella McDunnough

McDunnough, 1942: 224, N.B., P.E.I.

Scythris sp.

Brooks, 1942: 146, P.E.I.

STAGE PARASITIZED: Larva.

Psalidopteryx nuda Brooks

HOST: LEPIDOPTERA

Olethreutidae

Griselda radicana (Walsingham) probably

Brooks, 1942: 147, B.C.

Psalidopteryx pollinosa Brooks

HOST: LEPIDOPTERA

Gelechiidae

Anarsia lineatella Zeller

Brooks, 1942: 148, B.C.

Psalidopteryx pseudonuda Brooks

HOST: LEPIDOPTERA

Tortricidae

Acleris variana (Fernald)

Brooks, 1942: 147, B.C. (ex *Peronea*).

Psilidopteryx psilocorsiphaga Brooks

HOST: LEPIDOPTERA

Oecophoridae

Psilocorsis faginella (Chambers)

Embree, 1958: 170, N.S.

Psilocorsis spp.

Brooks, 1942: 150, Que.

Olethreutidae

Epinotia solicitana (Walker)

Smith, C. C., 1946: 120, N.B.

Eucosma rescissoriana Heinrich

Goyer and Schenk, 1969: 1063, 1065-1066, Idaho; Goyer, 1966: 17-18, Idaho.

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Goyer, 1966: (17-18).

Psalidopteryx slossonae TownsendMost records as *Psalidopteryx* "slossoni."

HOST: LEPIDOPTERA

Gelechiidae

"Telphusa" sp. probably

Davault, 1935: 252, Que. (as *P. slossonae*).

Unidentified Lepidoptera

Leaf tier(-s)

*Procter, 1946: 435, Maine (ex leaf tier, white birch, Procter, 1938); Procter, 1938: 376, Maine (ex leaf tier, white birch).

STAGE PARASITIZED: Larva.

Psalidopteryx "slossoni," see *Psalidopteryx slossonae***Psalidopteryx** sp.

HOST: LEPIDOPTERA

Olethreutidae

Eucosma rescissoriana Heinrich

Ollieu and Schenk, 1966: 273, Idaho (probable host).

Pseudatractocera neomexicana, see *Sitophaga neomexicana*

Pseudeuanta coquillettii, see *Anaporia limacodis*

Pseudeuanta pristis, see *Anaporia pristis*

Pseudoarchytas incertus, see *Archytas incertus*

Pseudoarchytopsis sp., see *Archytas* spp.

Pseudochaeta Coquillett (Goniinae: Eumasicerini)

Pseudochaeta argentifrons Coquillett

HOST: LEPIDOPTERA

Arctiidae

Cisthene nexa (Boisduval)

Flanders, 1926: 158, Calif. (ex *Illice*).

Tigrioides bicolor (Grote)

Brooks, 1945: 94, Que. (as *P. canadensis* Brooks ex *Lexis*).

Bombycidae

Unidentified Bombycidae

Coquillett, 1897: 20, 24, Calif.

Pyralidae

Loxostege mancalis (Lederer)

Fattig, 1949: 28-29; Brimley, 1938: 364, N.C.; Brimley, 1922: 25, N.C.

STAGE PARASITIZED: Larva, pupa.

Pseudochaeta canadensis, see *Pseudochaeta argentifrons*

Pseudochaeta pyralidis, see *Metopiops pyralidis*

Pseudochaeta siminina Reinhard

HOST: LEPIDOPTERA

Pyralidae

Macrobotys pertextalis (Lederer)

Schaffner, 1959: 10, 53, Mass.

Palpita magniferalis (Walker)

Raizenne, 1952: 162, Ont.

BIOLOGY: Schaffner, 1959: (10, 53).

Pseudoclista globosa, see *Myiophasia globosa*

Pseudoeribea sp. near *tothilli*, see *Eribella* sp. near *exilis*

"*Pseudoeribia*" sp. near *tothilli*, see *Eribella* sp. near *exilis*

"*Pseudomyotheria*" *ancilla*, see *Pseudomyothyria ancilla*

Pseudomyothyria Townsend (Goniinae: Blondeliini)

Pseudomyothyria ancilla (Walker)

HOST: COLEOPTERA

Chrysomelidae

Diabrotica undecimpunctata Mannerheim

Brauer and Bergenstamm, 1895: 571, 590 (as *P. indecisa* Townsend ex *D. 12-punctata* Fabricius).

Scarabaeidae

Serica iricolor (Say)

Fattig, 1949: 29, Ga. (as "*Pseudomyotheria*").

HOST: LEPIDOPTERA

Gelechiidae

Filatima persicaeella (Murtfeldt)

Ingerson, 1918: 12, Mich. (as *Frontina* ex *Gelechia confusella* Chambers).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera), adult (Coleoptera).

IMMATURES: Pupa — Greene, 1922: (descr., fig. 47 on pl. 10).

BIOLOGY: Fattig, 1949: (29).

Pseudomyotheria indecisa, see *Pseudomyotheria ancilla*

Pseudomyotheria tortricis, see *Erynnia tortricis*

Pseudomyotheria spp.

HOST: HYMENOPTERA

Tenthredinidae

Unidentified Tenthredinidae

Townsend, 1913a: 304.

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Miscellaneous

Townsend, 1913a: 304.

STAGE PARASITIZED: Larva (Hymenoptera, Lepidoptera).

Pseudomyotheria spp. probably

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Miscellaneous

Brauer and Bergenstamm, 1895: 571, 596 (ex Raupe auf *Viburnum nudum* Linnaeus).

STAGE PARASITIZED: Larva.

Pseudoperichaeta Brauer and Bergenstamm (Goniinae: Eryciini)

Pseudoperichaeta erecta (Coquillett)

Most records as *Phorocera erecta*.

HOST: COLEOPTERA

Meloidae

Epicauta sp.

Aldrich and Webber, 1924: 77, Fla. (ex *Epicauta* (?) on beet, questionable host).

HOST: LEPIDOPTERA

Noctuidae

Nycteola spp. (including *N. cinereana* Neumoegen and Dyar, *N. columbiana* H. Edwards and/or *N. frigidana* Walker)

Schaffner and Griswold, 1934: 63-64, 114, Maine (ex *N. revayana* (Scopoli)).

Notodontidae

Schizura concinna (J. E. Smith)

Webber and Schaffner, 1926: 19, New England.

Olethreutidae

Episimus argutatus (Clemens)

Schaffner, 1959: 20, 52, [N.E. U.S.]; Putman, 1943: 220, Ont.

Evora hemidesma (Zeller)

Roberts, 1966: 169, Iowa.

Grapholitha molesta (Busck)

All records ex *Laspeyresia molesta*.

Steenburgh and Boyce, 1938: 73, Ont.; Steenburgh, 1935: 71, Ont.

Melissopus latiferreanus (Walsingham)

Dohanian, 1942: 837, 840, Oreg. (probable host).

Spilonota ocellana (Denis and Schiffermüller)

Stultz, 1955: 80, N.S.

Pyralidae

Desmia funeralis (Hübner)

Essig, 1926: 582; Johnson, 1925: 198, Conn.; Aldrich and Webber, 1924: 78, Conn.

Loxostege similalis (Guenée)

Essig, 1926: 582; Aldrich and Webber, 1924: 77, Ark., Tex.; Reinhard, 1922: 72, Tex. (as *Exorista loxostegeae* Reinhard); Chittenden, 1911: 21, Tex.

Macrobotys pertextalis (Lederer)

Schaffner, 1959: 10, 52, [N.E. U.S.]; Putman, 1943: 219, Ont. (ex *Pyrausta*).

Ostrinia nubilalis (Hübner)

Most records ex *Pyrausta nubilalis*.

Baker, W. A., Bradley and Clark, 1949: 8, 39, 53, 158-159, 176, fig. 38Ca, U.S. (as *Pseudoperichaeta*); Clark, C. A., 1934: 18, 20, 31 (lab.); Baird, 1929: 39, Ont. (ex corn borer); Johnson, 1925: 198, Mass.; Aldrich and Webber, 1924: 78, Mass.; Caffrey, 1919: 21, Mass.; Vinal and Caffrey, 1919: 57-58, Mass.

Pachyzancla bipunctalis (Fabricius)

Chittenden, 1911: 21, D.C., Fla., Ga. or Tex.

Pantographa limata Grote and Robinson

Schaffner, 1959: 8, 52, [N.E. U.S.]; Putman, 1943: 219, Ont.

Phlyctaenia coronata tertialis (Guenée)

Schaffner, 1959: 10, 52, [N.E. U.S.] (ex *P. tertialis*).

Pyrausta futilalis (Lederer)

Schaffner, 1959: 11, 52, [N.E. U.S.].

Pyrausta signatalis (Walker)

Schaffner, 1959: 12, 52, [N.E. U.S.].

Tortricidae

Amorbia essigana Busck

Weber, 1953: 129, Calif.

Archips argyrospilus (Walker)

Prokopy, 1968: 350, Conn.; Schaffner, 1959: 30, 52, [N.E. U.S.].

Archips cerasivoranus (Fitch)

Schaffner, 1959: 30, 52, [N.E. U.S.].

Archips purpuranus (Clemens)

Schaffner, 1959: 31, 52, [N.E. U.S.].

Archips rosanus (Linnaeus)

Schaffner, 1959: 31, 52, Mass.; Putman, 1943: 222, Ont.

Argyrotaenia citrana (Fernald)

Essig, 1926: 582 (ex *Tortrix*).

Argyrotaenia mariana (Fernald)

Gilliatt, 1937: 145, N.S. (ex *Eulia*).

Choristoneura fumiferana (Clemens)

Blais, 1960: 388, 390, Que. (as *Pseudoperichaeta* ex spruce budworm); Coppel, 1960: 94, 97, B.C. (as *Pseudoperichaeta*); Carolin and Coulter, 1959: 553, Oreg.; McGugan and Blais, 1959: 765, Ont. (as *Pseudoperichaeta*); Anon., 1954b: 147, B.C. (as *Pseudoperichaeta*); MacNay, 1953a: 310, 314, 316, B.C.; Anon., 1952g: 288, 292, 295, B.C.; Ross, 1952: 108, fig. 4, Canada; Wilkes, Coppel and Mathers, 1949: 146, 149, 151-153, B.C.; Dowden, Buchanan and Carolin, 1948: 458 (ex *Archips*).

Choristoneura pinus Freeman

Dixon and Benjamin, 1963: 267, Wis.

Choristoneura rosaceana (Harris)

Most records ex *Archips rosaceana*.

Schaffner, 1959: 31, 52, [N.E. U.S.]; Raizenne, 1952: 214, Ont. (as *Pseudoperichaeta*); Schuh and Mote, 1948: 26, 28, 30, Oreg. (as *Pseudoperichaeta*); Zeller and Schuh, 1944: 48, Oreg.; Knowlton and Hansen, 1938: 130, Utah (ex *Cacoecia*); Knowlton and Allen, 1937: 784, Utah (ex *Cacoecia*).

Tortricid spp. (including *Amorbia humerosana* Clemens, *Archips argyrospilus* (Walker), *A. semiferranus* (Walker), *Argyrotaenia quadrifasciana* Fernald, *Choristoneura fractivittana* (Clemens), *C. rosaceana* (Harris) and/or *Pandemis limitata* (Robinson))

Hall, J. A., 1929: 139, Ont. (ex *Archips semiferrana*, *A. argyrospila*, *A. rosaceana*, *A. fractivittana*, *P. limitata*, *Amorbia humerosana* and/or *Eulia quadrifasciana*).

Unidentified Lepidoptera

Leaf roller(-s)

Aldrich and Webber, 1924: 77, Wash.

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

IMMATURES: Pupa — Ross, 1952: (fig. 4); Baker, W. A., Bradley and Clark, 1949: (fig. 38 Ca); Greene, 1922: (descr., fig. 52 on pl. 11).

BIOLOGY: Schaffner, 1959: (8, 10-12, 20, 30-31, 52);
Schaffner and Griswold, 1934: (63-64, 114).

Pseudoperichaeta erecta (Coquillett) probably
HOST: LEPIDOPTERA

Tortricidae

Amorbia essigana Busck

Ebeling, 1950: 664, Calif. (as tentatively *Phorocera*).

STAGE PARASITIZED: Larva.

Pseudoperichaeta sp. near *erecta* (Coquillett)
HOST: LEPIDOPTERA

Olethreutidae

Melissopus latiferreanus (Walsingham)

Dohanian, 1940: 856, Oreg. (as *Phorocera*).

STAGE PARASITIZED: Larva, pupa.

Pseudoperichaeta insidiosa (Robineau-Desvoidy)
Most records as *Zenillia roseanae* (Brauer and Bergenstamm).
HOST: LEPIDOPTERA

Olethreutidae

Grapholitha molesta (Busck)

Allen, Holloway and Haeussler, 1940: 4, 33, 40-43, 49 (as
Phorocera pumilio Aldrich, lab.); Allen, Holloway and
Haeussler, 1940: 3, 40-41, 60 (lab.).

Pyralidae

Ostrinia nubilalis (Hübner)

All records ex *Pyrausta nubilalis*.

Baker, W. A., Bradley and Clark, 1949: 3, 7, 12, 39, 53,
151, 154-158, fig. 38Cb, Mass. (as *Pseudoperichaeta*);
Caffrey and Worthley, 1927: 21, Mich., New England,
N.Y., Ohio; Thompson and Thompson,
1921: 127-139, figs. 1-17, 20 (lab.).

STAGE PARASITIZED: Larva.

IMMATURES: Egg — Thompson and Thompson, 1921: (descr.).

First instar larva — Thompson and Thompson, 1921: (descr.,
figs. 1-5).

Second instar larva — Thompson and Thompson,
1921: (descr., figs. 6-9, 20).

Third instar larva — Thompson and Thompson, 1921: (descr., figs. 10-15).

Pupa — Baker, W. A., Bradley and Clark, 1949: (fig. 38Cb); Thompson and Thompson, 1921: (descr., figs. 16-17).

BIOLOGY: Baker, W. A., Bradley and Clark, 1949: (3, 7, 12, 39, 53, 151, 154-158); Thompson and Thompson, 1921: (127-139).

Pseudoperichaeta roseanae, see *Pseudoperichaeta insidiosa*

Pseudosiphona Townsend (Goniinae: Siphonini)

Pseudosiphona brevirostris (Coquillett)

HOST: LEPIDOPTERA

Pterophoridae

Oidaematophorus homodactylus (Walker)

Schaffner, 1959: 19, 53, Mass.

BIOLOGY: Schaffner, 1959: (19, 53).

Pseudotachinomyia Smith (Goniinae: Exoristini)

Pseudotachinomyia slossonae (Townsend)

Most records as *Pseudotachinomyia webberi* Smith.

HOST: LEPIDOPTERA

Geometridae

Alsophila pometaria (Harris)

Schaffner and Griswold, 1934: 90, 121.

Erannis tiliaria (Harris)

Raizenne, 1952: 142, Ont. (as *P. slossonae*); Schaffner and Griswold, 1934: 97-98, 121.

BIOLOGY: Schaffner and Griswold, 1934: (121).

Pseudotachinomyia webberi, see *Pseudotachinomyia slossonae*

"*Pseudotraetocera*" *calosomae*, see *Sitophaga calosomae*

"*Pseudotraetocera*" *neomexicana*, see *Sitophaga neomexicana*

Ptilodexia Brauer and Bergenstamm (Proseninae: Prosenini)

"*Ptilodexia abdominalis* (Robineau-Desvoidy)"

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga spp.

Criddle, 1918: 454, Man. (ex *Lachnosterna*).

STAGE PARASITIZED: Larva.

Ptilodexia canescens (Walker)

All records as *Eutheresia canescens*.

HOST: COLEOPTERA

Cerambycidae

Saperda calcarata Say

Peterson, 1948: 60-61, Ont.

Stenocorus inquisitor lineatus (Olivier) probably

Champlain and Knull, 1923: 214, Pa. (ex *Rhagium* sp. probably *lineatum*).

STAGE PARASITIZED: Larva.

Ptilodexia cerata (Walker)

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga spp.

Fattig, 1944: 3, Ga.

STAGE PARASITIZED: Larva.

Ptilodexia harpasa (Walker)

HOST: COLEOPTERA

Scarabaeidae

Chemarachis hogardi (Blanchard)

Box, 1925: 351, Haiti (ex *Lachnosterna*).

Phyllophaga spp.

*Procter, 1946: 429, Maine (as *Rhamphina*, Procter, 1938); Procter, 1938: 371, Maine (as *Rhynchiodexia*); Johnson, 1927: 203, Maine.

May beetle(-s)

Johnson, 1925: 208, Conn., Maine, Mass., N.H., R.I., Vt.

STAGE PARASITIZED: Larva.

"*Ptilodexia tibialis* (Robineau-Desvoidy)"

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga spp.

All records ex *Lachnosterna* spp.

Criddle, 1918: 454, Man.; Davis, J. J., 1918: 13-14; Davis, J. J., 1916: 271, Tex.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 6 on pl. 2).

Ptilodexia sp.

HOST: COLEOPTERA

Scarabaeidae

Popillia japonica Newman

Fleming, 1963: 24, N.J.

"*Ptychomia*" *selecta*, see *Bessa selecta*

Ptychomyia selecta, see *Bessa selecta*

"*Pyraustomyia*" *penitalis*, see *Pyraustomyia penitalis*

Pyraustomyia Townsend (Tachininae: Aphriini)

Pyraustomyia penitalis (Coquillett)

HOST: LEPIDOPTERA

Pyralidae

Ostrinia nubilalis (Hübner)

Most records ex European corn borer.

Anon., 1963e: 1337, Md.; Anon., 1961d: 639, Wis.; Blickenstaff, Arbuthnot and Harris, 1953: 366-369, Iowa (ex *Pyrausta nubilalis*); Arbuthnot and Wright, 1952: 233, Ill. (ex *Pyrausta* "*nubilalis*"); Cory, McConnell, Arbuthnot and Jones, 1952: 1, 11-12, Md. (ex *Pyrausta nubilalis*); Welch, 1952: 38, Ky.; Harris, 1951: 139-141, Iowa; Wilson, M. C., 1951: 224, Ind.; Arbuthnot, 1950: 45-46, S. part of N. Cent. U.S.; Arbuthnot, Jones, Carter and Evans, 1949: 2-5, 12, 16-24, Del., Ill., Ind., Iowa, Ky., Md., N.C., Nebr., N.J., Ohio, Pa., Va. (ex *Pyrausta nubilalis*); Baker, W. A., Bradley and Clark, 1949: 175, Mich., Ohio (ex *Pyrausta nubilalis*); Harris, 1949: 131, Iowa; MacCreary and Rice, 1949: 148, Del. (ex *Pyrausta nubilalis*); Arbuthnot, Jones, Carter and Evans, 1948: 2-3, 8-12, Ill., Iowa, Kans., Mo., N.J., Ohio, Pa., Va. (ex *Pyrausta nubilalis*); Arbuthnot, 1947: 30-31, Ill., Ind., Iowa; Deay, 1947: 68, Ind. (as "*Pyraustomyia*"); Drake, 1947: 127, 129, Iowa; Clark, C. A., and Jones, 1946: 6, 10, Ill., Wis.; Drake, 1946: 176, Iowa; Bradley, W. G., and Clark, 1940: 527, 531, Mich., Ohio (as *Panzeria*); Bradley, W. G., and Clark, 1939: 528, 534, Ind., Mich., Ohio (as *Panzeria*); Bradley, W. G., and Clark, 1938: 650, 654, Mich., Ohio (as *Panzeria*).

Ostrinia obliteralis (Walker)

All records ex *Pyrausta ainsliei* Heinrich.

Blickenstaff, Arbuthnot and Harris, 1953: 368, Iowa; Schopp, 1931: 34-36, Kans.; Allen, 1929: 685, Miss.;

Ainslie, G. G., and Cartwright, 1922: 11 (as *Panzeria*);

Ainslie, G. G., and Cartwright, 1921: 843, Tenn.

Ostrinia penitalis (Grote)

All records ex *Pyrausta penitalis*.

Poos, 1927: 82-83, Ohio (as *Panzeria*); *Ainslie, G. G., and Cartwright, 1922: 11 (as *Panzeria*, questionable host, Coquillett, 1897); Chittenden, 1918: 456 (as *Panzeria*); Johnson, 1910: 779, N.J. (as *Panzeria*); Coquillett, 1897: 19, 27, Mo. (as *Panzeria*).

Pyrausta spp.

Blickenstaff, Arbuthnot and Harris, 1953: 368, Iowa.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 41 on pl. 9).

BIOLOGY: Blickenstaff, Arbuthnot and Harris, 1953: (366-369); Ainslie, G. G., and Cartwright, 1921: (843).

Red-tailed *Tachina*, see *Winthemia* spp. (including *W. leucanae* probably or *W. militaris*)

Red-tailed *Tachina* fly, see *Winthemia quadripustulata*

Rhacodineura antiqua, see *Ocytata pallipes*

Rhamphina harpasa, see *Ptilodexia harpasa*

Rhodogyne filiola, see *Gymnosoma filiola*

Rhodogyne fuliginosa, see *Gymnosoma fuliginosum*

Rhynchiodexia harpasa, see *Ptilodexia harpasa*

Rilea americana, see *Leschenaultia americana*

"*Rileymia*" *adusta*, see *Leschenaultia adusta*

"*Rileymia*" *triseta*, see *Leschenaultia americana*

Rileymia adusta, see *Leschenaultia adusta*

Rileymia americana, see *Leschenaultia americana*

Rileymia exul, see *Leschenaultia exul*

Rileymia fulvipes, see *Leschenaultia fulvipes*

Rileymia triseta, see *Leschenaultia americana*

Rileymia sp., see *Leschenaultia* spp.

Roeseliopsis Townsend (Goniinae: Hyperecteinini)

Roeseliopsis americana (Coquillett)

HOST: ORTHOPTERA

Phasmatidae

Anisomorpha buprestoides (Stoll)

Neff and Eisner, 1960: 102-103, figs. 1-2, 4, Fla.

STAGE PARASITIZED: Adult.

IMMATURES: Third instar larva — Neff and Eisner, 1960: (figs. 2, 4).

- Pupa — Neff and Eisner, 1960: (descr., figs. 1, 4).
Salmacia crassicornis, see *Gonia crassicornis*
Salmacia frontosa, see *Gonia frontosa*
Salmacia longipulvilli, see *Gonia longipulvilli*
Salmacia sp., see *Gonia* spp.
Schistocercophaga dampfi, see *Oedematocera dampfi*
Schizactia Townsend (Goniinae: Siphonini)
Schizactia vitinervis (Thompson)
 HOST: LEPIDOPTERA

Gelechiidae

- Aristotelia roseosuffusella* Clemens
 Thompson, 1911: 271 (as *Schizotachina*).
Coleotechnites coniferella (Kearfott)
 Raizenne, 1952: 232, Ont. (ex *Recurvaria*).
Coleotechnites piceaella (Kearfott)
 McLeod, J. M., 1964: 33, Que. (ex *Pulicalvaria*).
Coleotechnites sp.
 Renault and McDougall, 1961: 198-199, N.B. (ex *Evagora*).
Exoteleia pinifoliella (Chambers)
 Thompson, 1911: 271 (as *Schizotachina* ex *Paralechia*).
Exoteleia pinifoliella (Chambers) probably
 Champlain and Knull, 1923: 214, Pa. (as *Schizotachina* ex
Paralechia).

Olethreutidae

- Epinotia nanana* (Treitschke)
 Daviault and Ducharme, 1966: 697, Que.

Tineidae

- Unidentified Tineidae
 All records ex Tineidae on *Pinus australis* A. M. Michaux.
 Greene, 1934: 33 (as *Schizotachina*); Thompson, 1911:
 271 (as *Schizotachina*).
 STAGE PARASITIZED: Larva.
Schizocercophaga Townsend (Goniinae: Blondeliini)
Schizocercophaga leibyi Townsend
 HOST: HYMENOPTERA

Argidae

Sphacophilus cellularis (Say)

Most records ex *Schizocerus privatus* (Norton).

Thompson, 1953: 19 (ex *Sterictiphora cellularis*); Gould, G. E., and Walker, 1931: 379, Va. (ex *Sterictiphora collaris* Say); Brimley, 1928: 364, N.C.; Brimley, 1922: 25, N.C.; Townsend, 1916c: 77, N.C.

HOST: LEPIDOPTERA

Tortricidae

Archips cerasivoranus (Fitch)

*Thompson, 1953: 19 (questionable host, Hoffman, 1936); Hoffman, 1936: 211, Minn. (ex *Cacoecia*).

STAGE PARASITIZED: Larva (Hymenoptera), pupa (Hymenoptera).

Schizotachina Walker (Goniinae: Siphonini)

Schizotachina convecta (Walker)

HOST: LEPIDOPTERA

Pyralidae

Acrobasis comptoniella Hulst

Schaffner, 1959: 15, 54, Maine.

Tortricidae

Croesia albicomana (Clemens) probably

Thompson, 1911: 272 (ex *Tortrix*).

BIOLOGY: Schaffner, 1959: (15, 54).

Schizotachina vitinervis, see *Schizactia vitinervis*

Schizotachina sp.

HOST: LEPIDOPTERA

Gelechiidae

Chionodes sp.

Patton, 1958: 82, Fla. (ex *Chionodes* sp. on seagrape).

Scopolia sequax, see *Periscepsia helymus*

Scopolia sp., see *Periscepsia* spp.

Sipholeskia Townsend (Dexiinae: Leskiini)

Sipholeskia occidentalis (Coquillett)

HOST: LEPIDOPTERA

Aegeriidae

Synanthedon bibionipennis (Boisduval)

Cole, F. R., and Lovett, 1921: 300, Oreg. (as *Leskia gilensis* (Townsend) ex *Sesia rutilans* H. Edwards).

Siphona Meigen (Goniinae: Siphonini)

Siphona ceres (Curran)

All records as *Bucentes ceres*.

HOST: LEPIDOTPERA

Noctuidae

Unidentified Noctuidae

All records ex larva feeding on alfalfa.

Arnaud, 1963: 109, Guatemala; Curran, 1932: 14, Guatemala.

STAGE PARASITIZED: Larva.

Siphona conata (Reinhard)

HOST: LEPIDOPTERA

Diptidae

Phryganidia californica Packard

Reinhard, 1959: 163, Calif. (as *Siphonopsis* ex *Phryganidia* [sp.]).

STAGE PARASITIZED: Pupa.

Siphona geniculata (De Geer)

HOST: DIPTERA

Tipulidae

Tipula caloptera Loew

Fattig, 1949: 10, Ga. (as *Bucentes*).

Tipula paludosa Meigen

Fitzpatrick, 1969: 355 (lab.); Williamson, 1969: 5, 8 (lab.).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 39 on pl. 9).

Siphona plusiae Coquillett

HOST: LEPIDOPTERA

Diptidae

Phryganidia californica Packard

Bloeser, 1914: 301-309, fig. 1, pls. 39-40, Calif.

Noctuidae

Autographa californica (Speyer)

Clancy, 1969: 1079, Calif.; Essig, 1926: 579; Cole, F. R., 1915: 559, Calif.; Coquillett, 1897: 20, 26, Calif. (ex *Plusia*); Coquillett, 1895: 125, Calif. (ex *Plusia*).

Trichoplusia ni (Hübner)

Clancy, 1969: 1079, Calif.; Cole, F. R., 1915: 559, Calif. (ex *Autographa brassicae* Riley).

Unidentified Noctuidae

Coquillett, 1895: 125, Calif.

STAGE PARASITIZED: Larva.

IMMATURES: Third instar larva — Bloeser, 1914: (descr., fig. 1, figs. 1-6 on pl. 39 and figs. 1-2 on pl. 40).

Pupa — Greene, 1922: (descr., fig. 40 on pl. 9); Bloeser, 1914: (descr., fig. 1).

BIOLOGY: Bloeser, 1914: (301-309).

Siphona spp.

HOST: DIPTERA

Tipulidae

Crane fly (flies)

Anon., 1954a: 130, Que.

HOST: LEPIDOPTERA

Noctuidae

Autographa gamma (Linnaeus)

Brauer and Bergenstamm, 1895: 574, 603, N. Amer. (ex *Plusia*).

Trichoplusia ni (Hübner)

Oatman, 1966: 1138, Calif.

STAGE PARASITIZED: Larva (Diptera, Lepidoptera).

Siphonopsis conata, see *Siphona conata*

Siphophyto floridensis, see *Clausicella floridensis*

Siphophyto neomexicana, see *Clausicella neomexicana*

Siphophyto opaca, see *Clausicella opaca*

Siphophyto turmalis, see *Clausicella turmalis*

Siphosturmia Coquillett (Goniinae: Sturmiini)

Siphosturmia confusa Reinhard

HOST: LEPIDOPTERA

Nymphalidae

Euphydryas editha taylori (Edwards)

Tothill, 1913: 74, B.C. (as *Sturmia normula* Wulp ex *Lemonias taylori*).

STAGE PARASITIZED: Larva.

Siphosturmia phyciodis (Coquillett)

Most records as *Sturmia phyciodis*.

HOST: LEPIDOPTERA

Nymphalidae

Phyciodes tharos (Drury)

Tothill, 1913: 74, Ont.

Phyciodes spp.

Reinhard, 1934: 19, Mass., Md. (as *Siphosturmiopsis*);

Coquillett, 1897: 21, 26, Md.

STAGE PARASITIZED: Larva.

Siphosturmiopsis phyciodis, see *Siphosturmia phyciodis*

Sisyropa Brauer and Bergenstamm (Goniinae: Carceliini)

Sisyropa alypie Sellers

HOST: LEPIDOPTERA

Noctuidae

Alypia octomaculata (Fabricius)

Vide Sellers, 1943: 103, Mass. (Schaffner and Griswold, 1934); Schaffner and Griswold, 1934: 41, 113 (as *Zenillia* n. sp. (1)).

Psychomorpha epimenis (Drury)

Sellers, 1943: 103 (ex *P. "epimensis"*).

BIOLOGY: Sellers, 1943: (103).

Sisyropa alypie Sellers probably

HOST: LEPIDOPTERA

Noctuidae

Alypia octomaculata (Fabricius)

*Vide Sellers, 1943: 103 (Aldrich and Webber, 1924; Coquillett, 1897); Webber and Schaffner, 1926: 22, New England (as *Zenillia eudryae* (Townsend)); Aldrich and Webber, 1924: 22, Mass. (as *Zenillia eudryae*); Coquillett, 1897: 14, 23, Mo. (as *Exorista eudryae*).

STAGE PARASITIZED: Larva.

Sisyropa "chrysophanae," see *Aplomya theclarum*

Sisyropa chrysophani, see *Aplomya theclarum*

Sisyropa eudryae (Townsend)

HOST: LEPIDOPTERA

Arctiidae

Estigmene acraea (Drury)

Essig, 1926: 581 (as *Zenillia* ex *E. acraea*).

Unidentified Arctiidae

Aldrich, 1932: 2, N.H. (as *Exorista*).

Noctuidae

Acronicta hamamelis Guenée

Johnson, 1910: 780, N.J. (as *Exorista* ex *Acronycta*).

Acronicta sp.

Aldrich and Webber, 1924: 22, Mo. (as *Zenillia* ex *Acronycta*).

Agrotis ipsilon (Hufnagel)

All records ex *Agrotis ypsilon*.

*Crumb, 1929: 40, 59 (as *Zenillia*, Coquillett, 1897);
Johnson, 1910: 780, N.J. (as *Exorista*); Coquillett,
1897: 13 (as *Exorista*).

Alypia spp.

Johnson, 1925: 196, Conn., Maine, Mass., N.H., R.I. (as *Zenillia*).

Euthisanotia grata (Fabricius)

Fattig, 1949: 31; Sellers, 1943: 101, N.C., Vt.; Brimley,
1938: 362, N.C. (as *Zenillia*); Schaffner and Griswold,
1934: 63, 112, Mass., N.H., N.J., N.Y., Vt. (as *Zenillia*);
Aldrich, 1932: 3, Mass. (as *Zenillia*); Johnson,
1925: 196, Conn., Maine, Mass., N.H., R.I. (as *Zenillia*
ex *Eudryas*); Aldrich and Webber, 1924: 22, N.C., Pa.
(as *Zenillia*); Brimley, 1922: 22, N.C. (as *Exorista*);
Tothill, 1913: 70, Ont. (as *Exorista*).

Euthisanotia unio Hübner

Fattig, 1949: 31, Ga.; Sellers, 1943: 101, Ohio; Brimley,
1938: 362, N.C. (as *Zenillia*); Johnson, 1925: 196,
Conn., Maine, Mass., N.H., R.I. (as *Zenillia* ex *Eudryas*);
Aldrich and Webber, 1924: 22, Ohio (as *Zenillia*);
Brimley, 1922: 22, N.C. (as *Exorista*); Johnson,
1910: 780, N.J. (as *Exorista* ex *Eudryas*); Coquillett,
1897: 14, 25, Ohio (as *Exorista* ex *Eudryas*).

Euthisanotia spp.

Sellers, 1943: 101; Aldrich, 1932: 3, Mass. (as *Zenillia*);
 Aldrich and Webber, 1924: 22, N.Y. (as *Zenillia*);
 *Brauer and Bergenstamm, 1895: 553, 592, N. Amer.
 (as (*Exorista*) ex *Eudryas*, Townsend, 1892a); Townsend,
 1892a: 287-288, N.Y. (as *Exorista* ex *Eudryas*).

Nymphalidae

Vanessa atalanta (Linnaeus)

Johnson, 1910: 780, N.J. (as *Exorista* ex *Pyrameis*).

Saturniidae

Automeris io (Fabricius)

Collins, M. M., and Weast, 1961: 94 (as *Exorista*); Sellers,
 1943: 101; Aldrich and Webber, 1924: 23, Conn. (as
Zenillia); Johnson, 1910: 780, N.J. (as *Exorista* ex
Hyperchiria); Coquillett, 1897: 14, 25 (as *Exorista* ex
Hyperchiria).

Automeris spp.

Johnson, 1925: 196, Conn., Maine, Mass., N.H., R.I. (as
Zenillia).

Unidentified Lepidoptera

Moth(-s)

Essig, 1926: 581 (as *Zenillia*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 27 on pl. 6).

BIOLOGY: Sellers, 1943: (101); Schaffner and Griswold,
 1934: (63, 112).

Sisyropa eudryae (Townsend) probably

HOST: LEPIDOPTERA

Noctuidae

Acronicta impleta Walker

All records ex *Acronycta luteicoma* Grote and Robinson.

*Vide Sellers, 1943: 101 (Coquillett, 1897); Coquillett,
 1897: 13, 23, Mo. (as *Exorista*).

Acronicta spp.

All records ex *Acronycta* sp.

*Vide Sellers, 1943: 101 (Coquillett, 1897); Coquillett,
 1897: 13, 23, Md., Mo. (as *Exorista*).

Notodontidae

Fentonia marthesia (Cramer)

All records ex *Heterocampa marthesia*.

*Vide Sellers, 1943: 101 (Coquillett, 1897); Coquillett, 1897: 14, 25, Mo. (as *Exorista*).

Nymphalidae

Vanessa atalanta (Linnaeus)

*Vide Sellers, 1943: 101 (Coquillett, 1897); Coquillett, 1897: 14, 27, Mass. (as *Exorista* ex *Pyrameis*).

STAGE PARASITIZED: Larva.

Sisyropa hemerocampae, see *Carcelia amplexa*

Sisyropa lagoae, see *Carcelia lagoae*

Sisyropa spp.

HOST: LEPIDOPTERA

Arctiidae

Arachnis picta Packard

Brauer and Bergenstamm, 1895: 574, 583.

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Britton, 1917: 110; Schoene, 1909: 47, N.Y. (ex "*Hemerocampe*").

Megalopygidae

Megalopyge opercularis (J. E. Smith)

Brauer and Bergenstamm, 1895: 574, 595 (ex *Lagoa*).

Megalopyge pyxidifera (J. E. Smith)

Brauer and Bergenstamm, 1895: 574, 595 (ex *Lagoa*).

Noctuidae

Acronicta hastulifera (J. E. Smith)

Brauer and Bergenstamm, 1895: 574, 580 (ex *Acronycta*).

Agrotis ipsilon (Hufnagel)

Brauer and Bergenstamm, 1895: 574, 581 (ex *A. telifera* Harris).

Notodontidae

Heterocampa bilineata (Packard)

Brauer and Bergenstamm, 1895: 574, 600 (ex *Notodonta ulmi* Harris).

STAGE PARASITIZED: Pupa.

Sitophaga Gistel (Goniinae: Blondeliini)

Sitophaga calosomae (Townsend)

Most records as *Eubiomyia calosomae*.

HOST: COLEOPTERA

Carabidae

Calosoma calidum Fabricius

Collins and Hood, 1920: 488, 490, 495-497, [New England]; Townsend, 1916c: 74, Mass.; Burgess, 1897: 431, Mass. (as "*Pseudotraetocera*").

Calosoma frigidum Kirby

Collins and Hood, 1920: 490, 495, [Mass. or S. N.H.].

Calosoma peregrinator Guérin-Méneville

Burgess, 1897: 431, Calif. (as "*Pseudotraetocera*").

Calosoma sycophanta Linnaeus

Collins and Hood, 1920: 483-497, pls. 58-59, Maine, Mass., N.H., R.I.

Calosoma willcoxi LeConte

Collins and Hood, 1920: 495 (ex *C. "wilcoxi,"* unsuccessful lab. rearing).

Carabus nemoralis Müller

Collins and Hood, 1920: 490, 495, Mass.

STAGE PARASITIZED: Adult.

IMMATURES: Egg — Collins and Hood, 1920: (descr., pl. 58A).

First instar larva — Collins and Hood, 1920: (descr.).

Second instar larva — Collins and Hood, 1920: (descr., pl. 58D).

Third instar larva — Collins and Hood, 1920: (descr., pl. 58B-58C).

Pupa — Collins and Hood, 1920: (descr., pl. 59A-59C).

BIOLOGY: Collins and Hood, 1920: (483-497); Burgess, 1897: (431).

Sitophaga eleodivora (Walton)

HOST: COLEOPTERA

Tenebrionidae

Eleodes tricolorata (Say)

Walton, 1918: 25, Nebr. (as *Biomyia*).

STAGE PARASITIZED: Adult.

Sitophaga georgiae (Brauer and Bergenstamm)

Most records as *Biomyia georgiae*.

HOST: COLEOPTERA

Carabidae

Calosoma calidum Fabricius

Burgess and Collins, 1917: 11-12 (incomplete rearing — pupa); Chittenden, 1898a: 76; Coquillett, 1897: 10, 23, Mass.

Calosoma frigidum Kirby

Burgess and Collins, 1917: 12 (incomplete rearing — pupa).

Calosoma peregrinator Guérin-Méneville

*Vide Chittenden, 1898a: 76 (Coquillett, 1890); Coquillett, 1897: 10, 23, Calif.; Coquillett, 1890: 234 (as *Masicera* sp.).

Calosoma sycophanta Linnaeus

Tothill, 1913a: 58, Mass.

Calosoma spp.

Johnson, 1925: 193, Mass. (as *Viviania*).

Scarabaeidae

Phyllophaga crenulata (Frölich)

*Vide Smyth, 1917: 59 (as *B. lachnosternae* (Townsend), Davis, J. J., 1916; Forbes, S. A., 1907); *vide Davis, J. J., 1916: 271, 279, N.E. U.S. (as *B. lachnosternae* ex *Lachnosterna* spp., Forbes, S. A., 1907); Forbes, S. A., 1907: 475, Ill. (as "*Viviania*" sp. ex *Lachnosterna*).

Phyllophaga spp.

Most records ex *Lachnosterna* spp.

Fattig, 1949: 34-35, Ga. (as *Viviania* ex *Phyllophaga*); Reinhard, 1930: 104 (as *Viviania* ex *Phyllophaga*); Aldrich, 1925: 107, Miss. (as *Viviania*); Davis, J. J., 1918: 14 (as *B. lachnosternae*); Townsend, 1908: 106, Ill. (as *Viviania lachnosternae*, probable host).

STAGE PARASITIZED: Adult.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 54 on pl. 12).

BIOLOGY: Tothill, 1913a: (58); Forbes, S. A., 1907: (475).

Sitophaga georgiae (Brauer and Bergenstamm) probably
Most records as *Biomyia georgiae* probably.
HOST: COLEOPTERA

Carabidae

Calosoma calidum Fabricius

Felt, 1913: 74 (incomplete rearing — pupa).

Calosoma sycophanta Linnaeus

Burgess and Collins, 1917: 12, pl. 2b, Mass.; Burgess and
Collins, 1915: 19, [New England] (as *Viviania*).

STAGE PARASITIZED: Adult.

IMMATURES: Pupa — Burgess and Collins, 1917: (pl. 2b).

BIOLOGY: Felt, 1913: (74).

Sitophaga leechi (Curran)

All records as *Erycia leechi*.

HOST: COLEOPTERA

Carabidae

Carabus taedatus taedatus Fabricius

Arnaud, 1963: 113, B.C. (ex *C. taedatus* var. near
oregonensis LeConte); Curran, 1932a: 12-13, B.C. (ex *C.*
taedatus variety).

STAGE PARASITIZED: Adult.

Sitophaga neomexicana (Townsend)

HOST: COLEOPTERA

Scarabaeidae

Serica serotina LeConte

Essig, 1926: 580, Calif. (as "*Pseudotractocera*").

STAGE PARASITIZED: Adult.

Sitophaga nocturnalis (Reinhard)

HOST: COLEOPTERA

Scarabaeidae

Phyllophaga spp.

Reinhard, 1930: 104, Tex. (as *Viviania*, suggested host).

BIOLOGY: Reinhard, 1930: (104).

Sitophaga sp.

HOST: COLEOPTERA

Carabidae

Calosoma peregrinator Guérin-Méneville

Coquillett, 1890: 234, Calif. (as *Masicera*).

STAGE PARASITIZED: Adult.

BIOLOGY: Coquillett, 1890: (234).

Small tachinid [of Murtfeldt, 1894a], see *Carcelia* spp.

Spallanzania Robineau-Desvoidy (Goniinae: Goniini)

Spallanzania bucephala, see *Spallanzania hebes*

Spallanzania hebes (Fallén)

All records as *Spallanzania bucephala* (Meigen).

HOST: LEPIDOPTERA

Noctuidae

Feltia subterranea (Fabricius)

Patton, 1958: 83, Fla.; Tissot, 1945: 64, Fla.

Spallanzania hesperidarum, see *Acroglossa hesperidarum*

Spathidexia Townsend (Dexiinae: Thelairini)

Spathidexia dunningii (Coquillett)

HOST: LEPIDOPTERA

Hesperiidae

Ochlodes yuma (Edwards)

Arnaud, 1960: 1-2, 22, 25, fig. 8, Calif.

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Arnaud, 1960: (descr., fig. 8).

BIOLOGY: Arnaud, 1960: (1-2, 22, 25).

Spathimeigenia Townsend (Goniinae: Blondeliini)

Spathimeigenia aurifrons Curran

HOST: HYMENOPTERA

Diprionidae

Diprion polytomum (Hartig)

Reeks, 1938: 26, Que.

Monoctenus fulvus (Norton)

Raizenne, 1957: 11, Ont.

Neodiprion abietis (Harris) complex

Raizenne, 1957: 13, Ont.

Neodiprion lecontei (Fitch)

Raizenne, 1957: 20, Ont.; Benjamin, 1955: 21, 23, Canada,
Que., U.S.; Daviault, 1953: 181-184, Que.; Daviault,

1942: 397, Que.; Reeks, 1938: 26, E. Canada; Aldrich, 1931: 7, Pa.

Neodiprion maurus Rohwer

Raizenne, 1957: 16, Ont.

Neodiprion pinirigidae (Norton)

*Procter, 1946: 433, Maine (Procter, 1938); Procter, 1938: 375, Maine.

Neodiprion pratti banksianae Rohwer

Raizenne, 1957: 15, Ont.; Reeks, 1938: 26, E. Canada (ex jack pine sawflies).

Neodiprion rugifrons Middleton

Wilkinson, R. C., Becker and Benjamin, 1966: 791, Wis.; Raizenne, 1957: 22, Ont.

Neodiprion swaini Middleton

Reinhard, 1958a: 209, Que.

Neodiprion spp.

*Vide Aldrich, 1931: 7, Calif. (ex *Neodiprion* sp. (1), Greene, 1921); *vide Aldrich, 1931: 7, Calif. (ex *N. edwardsii* (Norton), Greene, 1921); Curran, 1930: 247, Ont.; Greene, 1921: 43, Calif. (as *Admontia hylotomae* Coquillett ex probably a *Diprion* sp.); Greene, 1921: 42, Calif. (as *S. spinigera* Townsend ex *N. edwardsii*).

Tenthredinidae

Pikonema alaskensis (Rohwer)

Raizenne, 1957: 32, Ont.

Pristiphora erichsonii (Hartig)

*Drooz, 1960: 34, Canada (Raizenne, 1957); Raizenne, 1957: 30, Ont.

Unidentified Hymenoptera

Sawfly(-flies) probably

Reinhard, 1958a: 209, Calif. (ex sawfly (?) on cypress).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Daviault, 1953: (181-184).

Spathimeigenia spp. (aurifrons Curran-erecta Aldrich complex)

HOST: HYMENOPTERA

Diprionidae

Neodiprion nigroscutum Middleton

Becker, Jr., and Benjamin, 1967: 158-159, Wis.; Becker, Jr., and Benjamin, 1964a: 20, Wis.

Neodiprion swainei Middleton

Becker, Jr., and Benjamin, 1964: 356, Wis.

STAGE PARASITIZED: Larva, pupa.

Spathimeigenia erecta Aldrich

HOST: HYMENOPTERA

Diprionidae

Neodiprion lecontei (Fitch)

Raizenne, 1957: 20, Ont., Que.; Benjamin, 1955: 21,
Canada; Daviault, 1953: 181, Que.

Neodiprion pratti banksianae Rohwer

Raizenne, 1957: 15, Ont.

Neodiprion rugifrons Middleton

Raizenne, 1957: 22, Ont.

Neodiprion sertifer (Geoffroy)

Finlayson and Finlayson, 1958: 223-224, Ont.

Neodiprion sp.

Aldrich, 1931: 8, Mich.

STAGE PARASITIZED: Pupa.

Spathimeigenia erecta Aldrich probably

HOST: HYMENOPTERA

Diprionidae

Neodiprion lecontei (Fitch)

Reinhard, 1958a: 210, Canada.

Neodiprion pinetum (Norton)

Reinhard, 1958a: 210, Mich.

Spathimeigenia hylotomae (Coquillett)

HOST: HYMENOPTERA

Argidae

Arge humeralis (Palisot de Beauvois)

All records ex *Hylotoma humeralis*.

Aldrich, 1931: 8, Mass.; Johnson, 1925: 188, Mass. (as
Hylotomomyia); *Smith, H. E., 1912: 123 (as
Hyperecteina, Coquillett, 1898); Coquillett, 1898:
233, Mass. (as *Admontia* ex *H. "hemeralis"*).

Arge rubiginosa (Palisot de Beauvois)

Patton, 1958: 83, Fla.

Arge spp.

Aldrich, 1931: 8, Conn., Va. (as "*Spathimeigenia*"); Greene, 1921: 42, Conn. (as *Admontia*); Greene, 1921: 42, Va. (as *Admontia*).

Diprionidae

Neodiprion lecontei (Fitch)

Benjamin, 1955: 20, U.S. (as "*Hylotomoyia hyletomae*"); Greene, 1921: 43, Va. (as *Admontia* ex N. "*leconti*").

Unidentified Hymenoptera

Sawfly(-flies)

Essig, 1926: 579, Calif. and "east" (as *Admontia*).

IMMATURES: Pupa — Greene, 1922: (descr., fig. 57 on pl. 12).

Spathimeigenia hyletomae (Coquillett) probably

HOST: LEPIDOPTERA

Notodontidae

Heterocampa guttivitta (Walker)

Collins, 1926: 693, 695, N.H. (as *Admontia*).

STAGE PARASITIZED: Larva.

BIOLOGY: Collins, 1926: (693, 695).

Spathimeigenia mexicana Aldrich

HOST: HYMENOPTERA

Diprionidae

Zadiprion vallicola (Rohwer)

Aldrich, 1931: 6, Mexico (Micho.) (ex *Neodiprion*).

Spathimeigenia "spiniger," see *Spathimeigenia spinigera*

Spathimeigenia spinigera Townsend

Argidae

Arge pectoralis (Leach)

Tripp, 1960: 348.

Diprionidae

Diprion hercyniae (Hartig)

Finlayson, T., 1960a: 923, 938, Ont., Que.; Raizenne, 1957: 24, Ont.

Monoctenus fulvus (Norton)

Tripp, 1960: 348.

Neodiprion abbotii (Leach)

Patton, 1958: 83, Fla. (ex *N. fabricii* (Leach)); Hetrick, 1941: 376, Va. (as "*Spathimeigentia*" ex *N. americanum* (Leach)); Aldrich, 1931: 4, Va. (ex *N. "abbottii"*); Johnson, 1925: 186, Conn. (as *S. "spiniger"* ex *Lophyrus "abbotti"*); Johnson, 1910: 776, N.J. (as *Admontia demylus* (Walker) ex *Lophyrus*); Coquillett, 1897: 9, 22, Md. (as *Admontia demylus* ex *Lophyrus*).

Neodiprion abietis (Harris)

Tripp, 1960: 348; Reeks, Forbes and Cuming, 1947: 13, [maritime prov., Nfld.].

Neodiprion excitans Rohwer

Hetrick, 1959: 161, Fla.

Neodiprion lecontei (Fitch)

Griffiths, 1961: 196-197, Ont.; Patton, 1958: 83, Fla.; Reinhard, 1958a: 207, Tex.; Raizenne, 1957: 20, Ont.; Benjamin, 1955: 21, 24, 53, Canada, Ill., U.S.; Bentley, 1940: 191, Ala.; *Aldrich, 1931: 4, Va. (Coquillett, 1897); Johnson, 1925: 186, Conn. (as *S. "spiniger"* ex *Lophyrus*); Greene, 1921: 42, Pa.; Middleton, 1921: 757 (as "*Spathimeitenis*"); Middleton, 1921: 757 (as "*Adomonita*" *demylus*); Coquillett, 1897: 9, 22, Va. (as *Admontia demylus* ex *Lophyrus*).

Neodiprion maurus Rohwer

Tripp, 1960: 348.

Neodiprion nanulus nanulus Schedl

Tripp, 1960: 348.

Neodiprion pinetum (Norton)

Raizenne, 1957: 21, Ont.

Neodiprion pratti banksianae Rohwer

Griffiths, 1960: 654-656, Ont.; Raizenne, 1957: 15, Ont.

Neodiprion sertifer (Geoffroy)

Finlayson, T., 1960: 24, 45, figs. 23, 25, Ont.

Neodiprion swaini Middleton

Tripp, 1965: 96, Que.; Tripp, 1962: 809-817, Que.; Tripp, 1962a: 1250, 1265, Que.; Tripp, 1960: 347-359, figs. 1-12, Que.; Reinhard, 1958a: 207, Pa.; Raizenne, 1957: 12, Ont.

Neodiprion taedae linearis Ross

Warren, L. O., and Coyne, 1958: 20, Ark.

Neodiprion virginiana Rohwer

Greene, 1921: 42, Va. (ex *N. affinis* Rohwer).

Neodiprion spp.

- Aldrich, 1931: 5, Va.; Greene, 1921: 42, Pa. (ex *Neodiprion* sp. (1)); Greene, 1921: 42, Va. (ex *Neodiprion* sp. (2)).
 Diprionid spp. (including *Diprion* spp. and/or *Neodiprion* spp.)
 Townsend, 1912b: 165 (as *Admontia demylus* ex "Cophyrus" larvae).

Tenthredinidae

Pikonema alaskensis (Rohwer)

Tripp, 1960: 348.

Pristiphora erichsonii (Hartig)

Tripp, 1960: 348.

Unidentified Hymenoptera

Pine sawfly (-flies)

Reinhard, 1958a: 207.

Sawfly (-flies)

Aldrich, 1931: 5; Aldrich, 1931: 5, Pa.

HOST: LEPIDOPTERA

Unidentified Lepidoptera

Miscellaneous

*Procter, 1946: 433, Maine (Procter, 1938); Procter, 1938: 375, Maine.

STAGE PARASITIZED: Larva (Hymenoptera, Lepidoptera), pupa (Hymenoptera).

IMMATURES: First instar larva — Tripp, 1960: (descr., figs. 1-2, 8).

Second instar larva — Tripp, 1960: (descr., figs. 3-4, 6, 10).

Third instar larva — Finlayson, T., 1960: (descr., fig. 23); Tripp, 1960: (descr., figs. 5, 7, 9).

Pupa — Finlayson, T., 1960: (descr., fig. 25); Tripp, 1960: (descr., figs. 11-12); Greene, 1922: (descr., fig. 90 on pl. 19).

BIOLOGY: Tripp, 1965: (96); Tripp, 1962: (809-817); Finlayson, T., 1960a: (923, 938); Tripp, 1960: (347-359); Bentley, 1940: (191).

Spathimeigenia spinigera Townsend complex

HOST: HYMENOPTERA

Diprionidae

Neodiprion abbotii (Leach)

Finlayson, T., 1963: 476, 503.

Neodiprion abietis (Harris)

Finlayson, T., 1963: 477, 503.

Neodiprion lecontei (Fitch)

Finlayson, T., 1963: 479, 503.

Neodiprion nanulus nanulus Schedl

Finlayson, T., 1963: 481, 503.

Neodiprion pinetum (Norton)

Finlayson, T., 1963: 482, 503.

Neodiprion pratti banksianae Rohwer

Finlayson, T., 1963: 483, 503.

Neodiprion swaini Middleton

Finlayson, T., 1963: 484, 503.

Neodiprion virginiana Rohwer complex

Finlayson, T., 1963: 485, 503.

Spathimeigenia spp.

HOST: HYMENOPTERA

Diprionidae

Diprion hercyniae (Hartig)

Pepler, 1938: 17, Que. (ex European spruce sawfly).

Diprion polytomum (Hartig)

Brown, A. W. A., 1938: 16, Que.

Monoctenus fulvus (Norton)

Raizenne, 1957: 11, Ont., Que.

Neodiprion lecontei (Fitch)

Finnegan, 1964: 29, Que.; Raizenne, 1957: 20, Ont., Que.;

Benjamin, 1955: 21, U.S.; Boyes and Wilkes, 1953: 126, 154; Baird, 1944a: 157, Ont.

Neodiprion maurus Rohwer

Raizenne, 1957: 16, Ont.

Neodiprion pinetum (Norton)

Raizenne, 1957: 21, Ont.

Neodiprion rugifrons Middleton

Raizenne, 1957: 22, Ont.

Neodiprion sertifer (Geoffroy)

Raizenne, 1957: 14, Ont.

Neodiprion swaini Middleton

Atwood, 1944: 59, Que.

Neodiprion swaini Middleton probably

Martineau, 1959: 230, Que.

Neodiprion taedae linearis Ross

Warren, L. O., and Coyne, 1958: 20, Ark.

STAGE PARASITIZED: Larva, pupa.

"*Spathimeigientia*" *spinigera*, see *Spathimeigenia spinigera*

"*Spathimeitenis*" *spinigera*, see *Spathimeigenia spinigera*

"*Spathimeigenia*" *hylotomae*, see *Spathimeigenia hylotomae*

Spoggosia Rondani (Goniinae: Exoristini)

Spoggosia gelida (Coquillett)

HOST: LEPIDOPTERA

Lymantriidae

Dasychira spp. probably

Malloch, 1919: 57c, fig. 15 on pl. 8, Alaska (as *Euphorocera*
ex "*Dasychirus*" sp. (?)).

STAGE PARASITIZED: Pupa.

IMMATURES: Pupa — Malloch, 1919: (descr., fig. 15 on pl. 8).

BIOLOGY: Malloch, 1919: (57c).

Stomatodexia Brauer and Bergenstamm (Dexiinae: Leskiini)

Stomatodexia cothurnata (Wiedemann)

HOST: LEPIDOPTERA

Pyralidae

Diaphania hyalinata (Linnaeus)

Wolcott, 1951a: 477, P.R. (ex *Margaronia*).

Stomatolydella "infernalis," see *Paralispe infernalis*

Stomatolydella infernalis, see *Paralispe infernalis*

Statomyia Brauer and Bergenstamm (Goniinae: Exoristini)

Statomyia floridensis (Townsend)

HOST: LEPIDOPTERA

Pyralidae

Crambus trisectus Walker

Banerjee, 1967: 1173, Ill.

Elasmopalpus lignosellus (Zeller)

Leuck, 1966: 799-800, Ga.; Leuck and Dupree, 1965:
779-780, Ga. (part as *Plagiprospherysa parvipalpis* Wulp).

Pyrausta tyralis (Guenée)

Krombein, 1967: 150, Fla.

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Banerjee, 1967: (1173).

Stomatomyia parvipalpis (Wulp)

Most records as "*Plagioprospherysa*" *parvipalpis*.

HOST: LEPIDOPTERA

Hesperiidae

Hylephila phyleus (Drury)

Butler, 1961: 202, Ariz.

Pyralidae

Hulstia undulatella (Clemens)

Banerjee, 1967: 1173, western [U.S.] (as *Stomatomyia*).

Loxostege similalis (Guenée)

Reinhard, 1922: 73, Tex. (as *Plagioprospherysa*).

Loxostege sticticalis (Linnaeus)

Banerjee, 1967: 1173, western [U.S.] (as *Stomatomyia*).

HOST: ORTHOPTERA

Gryllacrididae

Stenopelmatus pictus Scudder

Duncan, 1923: 76-77, Calif.

Unidentified Orthoptera

Pictured sand cricket(-s)

Knowlton and Janes, 1931: 147, Utah.

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera), adult (Orthoptera).

IMMATURES: Egg — Butler, 1961: (descr.).

BIOLOGY: Duncan, 1923: (76-77).

Stomatomyia sp.

HOST: LEPIDOPTERA

Pyralidae

Hellula rogatalis (Hulst)

Chittenden and Marsh, 1912: 31, Tex. (as *Plagioprospherysa* ex *H. undalis* (Fabricius)).

Strobliomyia Townsend (Goniinae: Siphonini)

Strobliomyia tibialis (Robineau-Desvoidy)

HOST: LEPIDOPTERA

Olethreutidae

Grapholitha molesta (Busck)

Allen, Holloway and Haeussler, 1940: 3, 40-41, 60 (as *Actia*, lab.).

STAGE PARASITIZED: Larva.

Sturmia Robineau-Desvoidy (Goniinae: Sturmiini)

Sturmia albifrons, see *Gymnocarcelia ricinorum*

Sturmia albincisa, see *Argyrophylax albincisa*

Sturmia austrina, see *Drino austrina*

Sturmia sp. near *bakeri*, see *Drino* sp. near *bakeri*

Sturmia balloui, see *Drino balloui*

Sturmia cubaecola, see *Drino cubaecola*

Sturmia discalis, see *Phrynofrontina discalis*

Sturmia distincta, see *Drino rhoeo*

Sturmia fraudulenta, see *Drino fraudulenta*

Sturmia harrisinae Coquillett

HOST: LEPIDOPTERA

Zygaenidae

Harrisina americana (Guérin-Méneville)

Patton, 1958: 83, Fla.; Coquillett, 1897: 20, 25.

Harrisina brillians Barnes and McDunnough

Clausen, 1961: 617-629, Ariz., Calif., Utah, Mexico (Chih.);

Clausen, 1956: 22, Ariz., Calif. (as *Sturmia* spp.); Jones,

M. L., and Forbes, 1956: 156, Calif. (as *Sturmia* sp.);

Jones, M. L., 1955: 175-176, Calif.; Smith, O. J., 1955:

7, Calif. (ex western grape leaf skeletonizer); Armitage,

1954: 209, Calif. (as *Sturmia* sp.); Smith, O. J., 1953: 9,

Ariz., Calif.; Smith, O. J., and Langston, 1953: 478, 483,

Ariz.; Jones, M. L., and Forbes, 1952: 161-162, Calif. (as

Masicera unispinosa Reinhard); Steinhaus and Hughes,

1952: 744, Ariz.

STAGE PARASITIZED: Larva.

BIOLOGY: Clausen, 1961: (617-629); Jones, M. L., 1955: (175-176); Smith, O. J., 1955: (7); Smith, O. J., and Langston, 1953: (478, 483).

Sturmia harrisinae Coquillett probably

HOST: LEPIDOPTERA

Zygaenidae

Acoloithus sp.

Clausen, 1961: 628, Fla.

Harrisina americana (Guérin-Méneville)

Clausen, 1961: 618, 628, Mo. east to N.Y., coastal states to Fla.

Harrisina brillians Barnes and McDunnough

Anon., 1957f: 828, Calif. (ex western grape leaf skeletonizer); Knowlton, Dorst, Lieberman, Thornley and Orr, 1953: 865, Utah.

Harrisina spp.

Clausen, 1961: 618, Mo. east to N.Y., coastal states to Fla.

STAGE PARASITIZED: Larva, pupa.

Sturmia sp. near *harrisinae* Coquillett

HOST: LEPIDOPTERA

Zygaenidae

Harrisina americana (Guérin-Méneville)

Patton, 1958: 83, Fla.

STAGE PARASITIZED: Larva.

Sturmia inca, see *Drino inca*

Sturmia incompta, see *Drino incompta*

Sturmia inconspicua, see *Drino inconspicua*

Sturmia inquinata, see *Drino incompta*

Sturmia nidicola, see *Townsendiellomyia nidicola*

Sturmia nigrita, see *Lydella radialis*

Sturmia normula, see *Siphosturmia confusa*

Sturmia occidentalis, see *Pilatea occidentalis*

Sturmia phyciodis, see *Siphosturmia phyciodis*

Sturmia pilatei, see *Drino pilatei*

Sturmia protoparcis, see *Drino rhoeo*

Sturmia ricinorum, see *Gymnocarcelia ricinorum*

Sturmia schizurae, see *Lespesia schizurae*

Sturmia scutellata, see *Blepharipa scutellata*

Sturmia sociabilis, see *Drino sociabilis*

Sturmia strigata, see *Blondelia polita*

Sturmia sp. near *strigata*, see *Blondelia* sp. near *polita*

"*Sturmia tipulensis* Tothill"

HOST: DIPTERA

Tipulidae

Unidentified Tipulini

Alexander, 1920: 731-732, Ont. (ex large tipuline crane fly).

STAGE PARASITIZED: Larva.

Sturmia trifida, see *Drino rhoeo* probably

Sturmia sp., see *Drino bohémica*, *Sturmia harrisinae* or "*Sturmia*" spp.

"*Sturmia*" spp.

HOST: HYMENOPTERA

Argidae

Arge sp.

Greene, 1921: 43, Conn.

HOST: LEPIDOPTERA

Citheroniidae

Anisota rubicunda (Fabricius)

Webber and Schaffner, 1926: 26, New England.

Anisota senatoria J. E. Smith

Webber and Schaffner, 1926: 25, New England.

Sphingidae

Manduca quinquemaculata (Haworth)

Gilmore, 1938: 710-711, Ky. and/or Tenn. (ex *Protoparce*).

Tortricidae

Choristoneura fumiferana (Clemens)

Gardiner, 1946: 80, N.B., Que. (ex *Archips*).

STAGE PARASITIZED: Larva (Lepidoptera).

"*Sturmia*" sp. probably
HOST: LEPIDOPTERA

Saturniidae

Hemileuca nevadensis Stretch

Packard, 1914: 502 (as dipterous parasite probably *Sturmia*
ex *H. maia nevadensis*).

STAGE PARASITIZED: Pupa.

Gen. and sp. of Sturmiini
HOST: LEPIDOPTERA

Noctuidae

Anticarsia gemmatalis Hübner

Plank, 1945: 26, P.R. (ex *A. "gemmatilis"*).

STAGE PARASITIZED: Larva.

Synaplomyia galerucellae, see *Aplomyiopsis galerucellae*

Tachina Meigen (Tachininae: Tachinini)

Tachina aletiae, see *Lespesia aletiae*

Tachina anonyma, see *Lespesia* spp.

Tachina archippivora, see *Lespesia archippivora*

Tachina armigera, see *Eucelatoria armigera*

Tachina bifasciata, see *Belvosia bifasciata*

Tachina blanda, see *Eusisyropa blanda*

Tachina clisiocampae, see *Exorista mella*

Tachina datanae, see *Archytas metallicus*

Tachina deilephilae, see *Winthemia deilephilae*

"*Tachina desmiae* Riley"

HOST: LEPIDOPTERA

Pyralidae

Desmia funeralis (Hübner)

All records ex *Desmia maculalis* Westwood.

Brauer and Bergenstamm, 1895: 575, 590; Riley, 1870b:
209.

STAGE PARASITIZED: Larva.

Tachina diabroticae, see *Celatoria diabroticae*

Tachina doryphorae, see *Doryphorophaga doryphorae*

Tachina fasciata, see *Exorista fasciata fasciata*

Tachina flavicauda, see *Triachora unifasciata*

Tachina fly, see Tachinidae page 537.

Tachina fraterna, see *Lespesia aletiae*

Tachina futilis, see *Euexorista futilis*

- Tachina hirsuta*, see *Phryxe vulgaris*
Tachina larvarum, see *Exorista mella* or *Exorista larvarum*
Tachina mella, see *Exorista mella*
Tachina militaris, see *Winthemia militaris*
Tachina "orgyia," see *Exorista mella*
Tachina orgyiae, see *Exorista mella*
Tachina phycitae, see *Nemorilla pyste*
Tachina robusta, see *Tachinomyia panaetius* or *Tachinomyia* spp.
Tachina rustica, see *Guerinia dydas*
Tachina simulans, see *Guerinia dydas*
Tachina tenthredinivora, see *Guerinia dydas*
Tachina theclarum, see *Aplomya theclarum*
"Tachina" spp.

HOST: COLEOPTERA

Chrysomelidae

Coptocycla sp.

Townsend, 1895: 74, Colo.

HOST: HEMIPTERA (HOMOPTERA)

Cicadidae

Magiccada septendecim (Linnaeus)

Marlatt, 1898: 96-97, U.S. (ex *Cicada*, questionable parasite).

HOST: HYMENOPTERA

Apidae

Bombus spp.

Ashmead, 1894: 23.

Unidentified Hymenoptera

Bee(-s)

Packard, 1869: 407.

HOST: LEPIDOPTERA

Aegeriidae

Vespamima pini (Kellicott)

All records ex *Harmonia pini*.

*Packard, 1890: 729, N.Y. (Kellicott, 1885); Kellicott, 1885: 171-173, N.Y.

Arctiidae

Hyphantria textor (Harris)

Lochhead, 1919: 182.

Geometridae

Cankerworm(-s) (including *Alsophila pometaria* (Harris) and/or
Paleacrita vernata (Peck))

Harris, T. W., 1841: 340, Mass.

Lasiocampidae

Malacosoma americanum (Fabricius)

Surface, 1904: 43-44, N.E. U.S. (ex *Clisiocampa*).

Noctuidae

Alabama argillacea (Hübner)

Comstock, 1879: 204, Ala. (ex *Aletia*).

Papaipema nebris (Guenée)

All records ex "*Gortina*" *nitela* Guenée.

Gillette, 1890: 280, Iowa (as *Tachina* fly); *vide Riley and

Howard, 1890: 281, Iowa (Gillette, 1890).

Pseudaletia unipuncta (Haworth)

Kirkpatrick, 1861: 355, Ohio (as *Tachina* sp. (larger) ex
Leucania extranea Guenée).

Trichoplusia ni (Hübner)

Townsend, 1895: 73, Colo. (ex *Plusia brassicae* (Riley)).

Cutworm(-s)

Gillette, 1890: 280, Iowa (as *Tachina* fly); *vide Riley and

Howard, 1890: 281, Iowa (Gillette, 1890).

Psychidae

Thyridopteryx ephemeraeformis (Haworth)

Riley, 1887: 28 (ex *T. "ephemeroeformis"*); Lintner, 1883:
87, N.Y.

Pyralidae

Acrobasis indigenella (Zeller)

All records ex *Phycita nebulo* Walsh.

LeBaron, 1872: 121, Ill.; LeBaron, 1872: 121, Ill. (as small *Tachina* sp.).

Crambus vulgivagellus Clemens

Lintner, 1883: 145-146, N.Y.

Saturniidae

Antheraea polyphemus (Cramer)

Fiske and Thompson, 1909: 453-454 (ex polyphemus).

Callosamia promethea (Drury)

Fiske and Thompson, 1909: 453-454 (ex promethea).

Platysamia cecropia (Linnaeus)

Fiske and Thompson, 1909: 453-454 (ex cecropia).

Sphingidae

Hyles lineata (Fabricius)

Lugger, 1899: 37, Minn. (ex *Deilephila*).

Unidentified Lepidoptera

Miscellaneous

Packard, 1869: 407 (ex caterpillars).

Moth(-s)

Morris, 1874: 177, Canada.

HOST: ORTHOPTERA

Phasmatidae

Bacillus rossia (Rossi)

All records ex *Bacillus rossii* Fabricius.

*Brauer and Bergenstamm, 1895: 575, 584 (Osten Sacken, 1877); Osten Sacken, 1877: 23.

Diapheromera femorata (Say)

*Brauer and Bergenstamm, 1895: 575, 591 (Osten Sacken, 1877); Osten Sacken, 1877: 23.

STAGE PARASITIZED: Larva (Coleoptera, Lepidoptera), pupa (Lepidoptera), adult (Hemiptera).

IMMATURES: Egg — Walsh, 1867a: (descr.).

Third instar larva — Kirkpatrick, 1861: (descr.).

Pupa — Fiske and Thompson, 1909: (descr.); Kirkpatrick, 1861: (descr.).

BIOLOGY: Marlatt, 1898: (96-97); Riley, 1887: (28); Lintner, 1883: (145-146); Riley, 1871: (157).

Tachinidae, see page 537.

"Tachiniphyto" aenea, see *Elfia aenea*

Tachinomyia Townsend (Goniinae: Exoristini)

Tachinomyia acosta Webber

HOST: LEPIDOPTERA

Noctuidae

Lithophane antennata (Walker)

Webber, 1941: 300 (ex *Graptolitha*).

Lithophane disposita Morrison

Webber, 1941: 300 (ex *Graptolitha*).

Lithophane innominata (Smith)

Webber, 1941: 300 (ex *Graptolitha*).

Lithophane sp.

Webber, 1941: 300 (ex *Graptolitha*).

Tachinomyia nigricans Webber

HOST: HYMENOPTERA

Diprionidae

Monoctenus fulvus (Norton)

Raizenne, 1957: 11, Ont.

HOST: LEPIDOPTERA

Geometridae

Alsophila pometaria (Harris)

Raizenne, 1952: 108, Ont.; Webber, 1941: 302, Conn.

Ennomos subsignarius (Hübner)

Raizenne, 1952: 151, Ont.

Erannis tiliaria (Harris)

Webber, 1941: 302.

Itame pustularia (Guenée)

Webber, 1941: 302 (ex *Physostegania*).

Phigalia titea (Cramer)

Raizenne, 1952: 140, Ont.; Webber, 1941: 302.

Lasiocampidae

Malacosoma disstria Hübner

Sippell, 1961: 436, Ont.

Lymantriidae

Porthetria dispar (Linnaeus)

Webber, 1941: 302.

Noctuidae

Acronicta leporina (Linnaeus)

Raizenne, 1952: 38, Ont.

Baileya dormitans (Guenée)

Raizenne, 1952: 66, Ont. (as "*Tachinonyia*").

Catocala micronympha Guenée

Webber, 1941: 302 (ex *C. micronympha* form *fratercula*
Grote and Robinson).

Lithophane antennata (Walker)

Webber, 1941: 302 (ex *Graptolitha*).

Tortricidae

Choristoneura fumiferana (Clemens)

Ross, 1952: 108, fig. 10, Canada.

IMMATURES: Pupa — Ross, 1952: (fig. 10).

Tachinomyia panaetius (Walker)

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma disstria Hübner

Essig, 1926: 583, Calif. (as *Tachina robusta* (Townsend)).

Malacosoma spp.

Coquillett, 1897: 21, 24, Calif. (as *Tachina robusta* ex
Clisiocampa).

Lymantriidae

Hemerocampa vetusta (Boisduval)

Essig, 1926: 583, Calif. (as *Tachina robusta*).

Noctuidae

Agrotis ipsilon (Hufnagel)

All records ex *Agrotis ypsilon*.

Franklin, 1950: 57 (as *T. robusta*); *Crumb, 1929: 40, 59
(as *T. robusta*, Coquillett, 1897); Essig, 1926: 583,

Calif. (as *Tachina robusta*); Johnson, 1925: 204, Conn., Maine, Mass., N.H., R.I., Vt. (as *T. robusta*); Johnson, 1910: 781, N.J. (as *T. robusta*); Coquillett, 1897: 21, 23 (as *Tachina robusta*).

Epiglaea apiata (Grote)

Franklin, 1950: 57 (as *T. robusta*).

Cutworm(-s)

Fattig, 1949: 33; Smith, R. C., 1943: 377, Kans. (as *T. robusta*).

Unidentified Lepidoptera

Moth(-s)

Aldrich, 1915: 82 (as *Tachina robusta*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 79 on pl. 17).

Tachinomyia sp. near *panaetius* (Walker)

HOST: LEPIDOPTERA

Noctuidae

Acronicta betulae Riley

Webber, 1941: 293 (ex *Acronycta*, lab.).

Catocala sp.

Webber, 1941: 293 (lab.).

Lithophane antennata (Walker)

Webber, 1941: 293 (ex *Graptolitha*, lab.).

Orthosia hibisci (Guenée)

Webber, 1941: 293 (ex *O. hibisci* form *insciens* Walker, lab.).

Tachinomyia robusta, see *Tachinomyia panaetius*

Tachinomyia similis (Williston)

HOST: LEPIDOPTERA

Arctiidae

Halisidota argentata Packard

Silver, 1958: 78, B.C.; Webber, 1941: 295.

Lasiocampidae

Malacosoma californicum californicum (Packard)

Webber, 1941: 295 (ex *Clisiocampa* "thoracia" Stretch).

Malacosoma californicum pluviale (Dyar)

Johansen, 1957: 70, Wash. (ex *M. pluviale*).

Malacosoma disstria Hübner

Johansen, 1957: 70, Wash.

Malacosoma spp. (including *M. californicum pluviale* (Dyar) and/or *M. disstria* Hübner)

Dailey, 1958: 269, Wash. (ex western tent caterpillar and/or forest tent caterpillar); Dailey, 1957: 628, Wash. (ex *M. disstria* and/or *M. pluviale*).

Malacosoma spp.

Ross, 1953: 19, 22, fig. 7, B.C.; *Brauer and Bergenstamm, 1895: 542, 588, Calif. (as *Achaetoneura* ex *Clisiocampa*, Williston, 1893); Williston, 1893: 256, Calif. (as *Prospheya* ex *Clisiocampa*).

Lymantriidae

Hemerocampa vetusta (Boisduval)

Webber, 1941: 295.

Stilpnotia salicis (Linnaeus)

Lejeune and Silver, 1961: 459-460, 462, 466, B.C.; Johansen, 1957: 70, Wash.; Webber, 1941: 295, Wash.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Ross, 1953: (descr., fig. 7).

BIOLOGY: Lejeune and Silver, 1961: (459-460, 462, 466).

Tachinomyia variata Curran

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma californicum pluviale (Dyar)

Guppy, R., 1950: 4, B.C. (ex *M. pluviale*).

Lymantriidae

Porthetria dispar (Linnaeus)

Webber, 1941: 298, Mass.

Noctuidae

Nephelodes emmedonia (Cramer)

Webber, 1941: 298, N.B.

STAGE PARASITIZED: Pupa.

BIOLOGY: Guppy, R., 1950: (4).

Tachinomyia spp. (1), (2), (3) or (4), see *Tachinomyia* spp.

Tachinomyia spp.

HOST: LEPIDOPTERA

Geometridae

Alsophila pometaria (Harris)

Schaffner and Griswold, 1934: 90, 121, Maine, Mass., N.J., R.I. (as *Tachinomyia* sp. (3)).

Phigalia titea (Cramer)

Talerico, 1968: 561, Va.; Schaffner and Griswold, 1934: 97, 121, Mass., N.Y. (as *Tachinomyia* sp. (4)).

Lasiocampidae

Malacosoma disstria Hübner

Schaffner and Griswold, 1934: 89, 121 (as *Tachinomyia* sp. (1)).

Lymantriidae

Stilpnotia salicis (Linnaeus)

*Burgess and Crossman, 1927: 14-15 (as *Tachina robusta* (Townsend), Glendenning, 1924); Glendenning, 1924: 13, B.C. (as *Tachina robusta*).

Noctuidae

Acronicta betulae Riley

Schaffner and Griswold, 1934: 58, 121, N.J. (as *Tachinomyia* sp. (1) ex *Acronycta*).

Catocala micronympha Guenée

Schaffner and Griswold, 1934: 67, 121, N.J. (as *Tachinomyia* sp. (2) ex *C. micronympha* form *fratercula* Grote and Robinson).

Lithophane antennata (Walker)

Schaffner and Griswold, 1934: 49, 121 (as *Tachinomyia* sp. (1) ex *Graptolitha*).

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

Schaffner and Griswold, 1934: 48, 121 (as *Tachinomyia* sp. (1) ex *Graptolitha* (including *G. disposita*, *G. innominata* and/or *G. petulca*)).

Orthosia hibisci (Guenée)

Schaffner and Griswold, 1934: 46, 121 (as *Tachinomyia* sp. (1) ex *O. hibisci* form normal *insciens* Walker).

Raphia frater Grote

Raizenne, 1952: 35, Ont.

Unidentified Catocalinae

Schaffner and Griswold, 1934: 67, 121, N.J. (as *Tachinomyia* sp. (2)).

Unidentified Noctuidae

Schaffner and Griswold, 1934: 72, 121 (as *Tachinomyia* sp. (1)).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Schaffner and Griswold, 1934: (90, 97, 121);
Glendenning, 1924: (13).

"*Tachinomyia*" *nigricans*, see *Tachinomyia nigricans*

"*Tachinophyta*" sp., see *Lixophaga diatraeae*

Tachinophyto Townsend (Goniinae: Blondeliini)

Tachinophyto aenea, see *Elfia aenea*

Tachinophyto floridensis Townsend

HOST: LEPIDOPTERA

Pterophoridae

Oidaematophorus homodactylus (Walker)

Schaffner, 1959: 19, 54, Mass.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 36 on pl. 8).

BIOLOGY: Schaffner, 1959: (19, 54).

Tachinophyto tortricis, see *Erynnia tortricis*

Tachinophyto vanderwulpi, see *Chaetonodexodes vanderwulpi*

Tachinophyto variabilis, see *Lixophaga variabilis*

Tachinophyto sp., see *Lixophaga diatraea* or "*Tachinophyto*" spp.

"*Tachinophyto*" spp.

HOST: LEPIDOPTERA

Gelechiidae

Isophrictis similiella denotata Bottimer

Bottimer, 1926: 810, Tex.

Olethreutidae

Epiblema tripartitana (Zeller)

Bottimer, 1926: 816, Tex.

Laspeyresia pomonella (Linnaeus)

All records ex *Carpocapsa pomonella*.

Lochhead, 1919: 224; Jenne, 1909: 30, Ark.

Pyralidae

Desmia funeralis (Hübner)

Lochhead, 1919: 209.

Diatraea saccharalis (Fabricius)

Wolcott, 1915: 32, Cuba; Van Dine, 1913: 254, P.R.; Van Dine, 1913c: 29, P.R.

Tineidae

Unidentified Tineidae

Townsend, 1913a: 304.

STAGE PARASITIZED: Larva.

Thelaira Robineau-Desvoidy (Dexiinae: Thelairini)

Thelaira americana Brooks

All records as *Thelaira leucozona* (Panzer).

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Schaffner and Griswold, 1934: 36, 125-126.

Estigmene acrea (Drury)

Schaffner and Griswold, 1934: 38, 125-126.

BIOLOGY: Schaffner and Griswold, 1934: (125).

Thelaira leucozona, see *Thelaira americana*

Thelaira spp.

HOST: LEPIDOPTERA

Arctiidae

Isia isabella (J. E. Smith)

All records ex *Pyrrharctia isabella*.

Townsend, 1895: 78, Colo.; Townsend, 1895: 78, Colo. (as *Thelaira* n. sp.).

Turuptiana permaculata (Packard)

Townsend, 1895: 78, Colo. (ex *Ecpantheria*).

Unidentified Arctiidae

Brauer and Bergenstamm, 1895: 578, 583, N. Amer.

Pyralidae

Diaphania nitidalis (Stoll) probably

Brauer and Bergenstamm, 1895: 578, 602, N. Amer. (ex *Phakellura*).

Thelymyia Brauer and Bergenstamm (Goniinae: Eryciini)

Thelymyia mathesoni (Reinhard)

HOST: LEPIDOPTERA

Lymantriidae

Tussock moth(-s) probably

Patton, 1958: 86, Fla. (as *Zenillia* ex caterpillar on poison ivy and *Viburnum semitomentosus* Small).

STAGE PARASITIZED: Larva.

Theresia Robineau-Desvoidy (Proseninae: Theresiini)

Theresia "claripalpis," see *Paratheresia claripalpis*

Theresia claripalpis, see *Paratheresia claripalpis*

Theresia diatraeae, see *Paratheresia claripalpis*

Theresia monohammi, see *Eutheresia monohammi*

Theresia rutilans (Fabricius)

HOST: COLEOPTERA

Cerambycidae

Enaphalodes atomarius (Drury)

Fattig, 1949: 33-34 (ex *Romaleum*).

Gen. and sp. of Theresiini

HOST: ORTHOPTERA

Gryllidae

Anurogryllus muticus (De Geer)

Weaver and Sommers, 1969: 342, La.

Thompsonomyia Brooks (Tachininae: Linnaemyini)

Thompsonomyia anthracina (Thompson)

HOST: LEPIDOPTERA

Arctiidae

Parasemia parthenos Harris

Thompson, 1911: 268, Ont. (as *Linnaemya* ex *Hyphoraia*).

STAGE PARASITIZED: Larva.

Thryptocera americana, see *Actia americana*

Thryptocera flavipes, see *Actia flavipes*

Thysanomyia Brauer and Bergenstamm (Goniinae: Sturmiini)

Gen. and sp. near *Thysanomyia*

HOST: LEPIDOPTERA

Sphingidae

Hemaris thysbe (Fabricius)

Schaffner and Griswold, 1934: 22, 118, Mass.

STAGE PARASITIZED: Pupa.

BIOLOGY: Schaffner and Griswold, 1934: (22, 118).

Tortriciophaga tortricis, see *Erynnia tortricis*

Townsendiellomyia Baranov (Goniinae: Sturmiini)

Townsendiellomyia nidicola (Townsend)

HOST: LEPIDOPTERA

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

Lochhead, 1919: 202, 406 (as *Zygobothria*); Howard and

Fiske, 1911: 262, 289-295, 309 (as *Zygobothria*);

Britton, 1910: 20, U.S. (as *Zygobothria*).

Nygmia phaeorrhoea (Donovan)

Most records ex brown-tail moth.

Dowden, 1962: 27, 29, 66, New England (ex *N. phaeorrhoea*); Clausen, 1956: 6, 64, 133-134 (ex *N. phaeorrhoea*); Dowden, 1935: 509 (as *Sturmia* ex *N. phaeorrhoea*); Collins, 1934: 31, [Maine, Mass., N.H.] (as *Sturmia*); Proper, 1934: 371-372, New England (as *Sturmia*); Collins and Jones, 1932: 237 (as *Sturmia*); Burgess and Crossman, 1929: 131-135, 142, Maine, Mass., N.H. (as *Sturmia* ex *N. phaeorrhoea*); Britton and Ashworth, 1923: 316, Conn. (as *Sturmia*); Howard, 1918: 46 (as *Zygobothria*); Thompson, 1910: 290 (as *Zygobothria*).

Porthetria dispar (Linnaeus)

Britton and Ashworth, 1923: 316, Conn. (as *Sturmia* ex "gipsy" moth); Britton and Davis, 1918: 250, Conn. (as *Zygobothria*); Howard and Fiske, 1911: 232, probably Mass. (as *Zygobothria*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Howard and Fiske, 1911: (descr.); Thompson, 1910: (descr.).

BIOLOGY: Clausen, 1956: (6, 64, 133-134); Dowden, 1935: (509); Proper, 1934: (371-372); Burgess and Crossman, 1929: (131-135, 142); Howard and Fiske, 1911: (262, 289-295, 309); Thompson, 1910: (290).

Trepophrys Townsend (Goniinae: Eryciini)

Trepophrys cinerea Townsend

HOST: LEPIDOPTERA

Tineidae

Amydria sp.

Townsend, 1908: 96, Mexico (Mor.).

STAGE PARASITIZED: Pupa.

Triachora Townsend (Goniinae: Belvosiini)

Triachora luteola (Coquillett)

HOST: LEPIDOPTERA

Noctuidae

Leucania sp.

Patton, 1958: 38, Fla. (as *Goniomima* ex *Leucania* on sugar cane).

Triachora ochriventris (Wulp)

HOST: LEPIDOPTERA

Noctuidae

Armyworm(-s)

Aldrich, 1928a: 14, Mexico (as *Belvosia*).

Triachora omissa (Aldrich)

HOST: LEPIDOPTERA

Noctuidae

Feltia subgothica (Haworth)

Fattig, 1949: 9, Ga. (as *Belvosia*).

STAGE PARASITIZED: Pupa.

Triachora unifasciata (Robineau-Desvoidy)

HOST: LEPIDOPTERA

Noctuidae

Alabama argillacea (Hübner)

Brauer and Bergenstamm, 1895: 576 (as *Tachina flavicauda* (Riley) ex *Aletia*).

Pseudaletia unipuncta (Haworth)

Guppy, J. C., 1967: 97, 99, 102, Ont.; Breeland, 1958: 320, 323, 333-334, Tenn. (as *Belvosia*); Franklin, 1950: 57 (ex *Cirphis*); Fattig, 1949: 9 (as *Belvosia* ex *Cirphis*); Brimley, 1938: 361, N.C. (as *Belvosia* ex *Cirphis*); Schaffner and Griswold, 1934: 47, 109, Mass. (as *Belvosia* ex *Cirphis*); Johnson, 1925: 193, Conn., Mass

(ex *Heliophila* "unipunctata"); Allen, 1924: 24, Miss. (as *Belvosia* ex "Criphis"); Knight, 1916: 760, fig. 1 on pl. 40, N.Y. (as *Goniomima* ex *Leucania*); Britton, 1915a: 167, Conn. (as *Goniomima* ex *Heliophila*); Sherman, 1915: 299-302, N.C. (as "Goniomyia" ex *Heliophila*); Johnson, 1910: 778, N.J. (ex *Leucania*); Felt, 1906: 65, N.Y. (as "Belvoisia" ex *Heliophila* "unipunctata"); Coquillett, 1897: 10, 26, N.Y. (as *Belvosia* ex *Leucania*); Lintner, 1897: 210, N.Y. (as "Belvoisia" ex *Leucania*); Riley, 1883: 126 (as *Exorista flavicauda* ex *Leucania*); Thomas, C., 1881: 37-38, Ill. (as *Exorista flavicauda* ex *Leucania*); Riley, 1876: 53 (as *Exorista flavicauda* ex *Leucania*); Riley, 1870: 51-52, [Mo.] (as *Exorista flavicauda* ex *Leucania*, probable host).

Armyworm(-s)

Brimley, 1922: 21, N.C. (as *Belvosia*); Riley, Packard and Thomas, 1878: 323 (as *Exorista flavicauda*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Pupa — Knight, 1916: (fig. 1 on pl. 40).

BIOLOGY: Schaffner and Griswold, 1934: (47, 109); Knight, 1916: (760); Lintner, 1897: (210); Riley, 1883: (126).

Trichiopoda pennipes, see *Trichopoda pennipes*

Trichiopoda sp., see *Trichopoda* spp.

Tricholyga sp. probably, see *Exorista* spp. probably

Trichopareia sp., see *Admontia* spp.

"Trichoparia" sp., see *Admontia* spp.

Trichophora miscelli, see *Deopalpus miscelli*

Trichophora ruficauda, see *Copecrypta ruficauda*

Trichopoda Berthold (Phasiinae: Trichopodini)

Trichopoda lanipes (Fabricius)

HOST: HEMIPTERA (HETEROPTERA)

Coreidae

Acanthocephala femorata (Fabricius)

Patton, 1958: 84, Fla.

Archimerus alternatus (Say)

Fattig, 1949: 34, Ga.

Pentatomidae

Nezara viridula (Linnaeus)

Drake, 1920: 75, Fla.

Podisus maculiventris (Say)

Fattig, 1949: 34, Ga. (as *T. radiata* Loew).

STAGE PARASITIZED: Adult.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 23 on pl. 5).

Trichopoda pennipes (Fabricius)

HOST: HEMIPTERA (HETEROPTERA)

Coreidae

Acanthocephala declivis (Say)

Drake, 1920: 68, Fla. (incomplete rearing — egg).

Acanthocephala femorata (Fabricius)

Watson, J. R., 1922: 59R, Fla. (ex "*Acanthocephalus*");

Drake, 1920: 68, Fla. (incomplete rearing — egg).

Acanthocephala spp.

Bratley, 1936: 66, Fla.

Anasa armigera (Say)

Beard, 1940a: 625, Conn.

Anasa tristis (De Geer)

Yonke and Medler, 1969: 170-171, Wis.; Daugherty, 1959: 888, N.C. (ex squash bug); Dietrick and Bosch, 1957: 627-629 (lab.); Johansen, 1957: 64, Wash.; Clausen, 1956: 13, 57, Wash.; Milliron, 1956: 860, Del. (ex squash bug); Clausen, 1956: 13, 57, Wash.; Clausen, 1955: 78, Conn. (as *T. pennipes* squash bug strain); Fattig, 1949: 34, Ga.; MacCreary and Parker, 1948: 20, Del. (ex squash bug); Annand, 1946: 137 (ex squash bug, lab.); Leaver, 1946: 34, R.I.; Annand, 1945: 146, Conn., N.J. (ex squash bug); Eichmann, 1944: 36, Wash.; Eichmann, 1943: 39, N.J., Wash.; Beard, 1940: 269-272, fig. 1, Conn.; Beard, 1940a: 607, 624-672, figs. 10-13, pl. 1E-1F, Conn.; Beard, 1936: 335-336, Conn.; Allen, 1929: 682, Miss.; Essig, 1926: 578 (ex squash bug); Worthley, 1924: 7-16, Mass.; Worthley, 1924a: 57-77, figs. 16-21 on pl. 3, Mass. (ex squash bug); Worthley, 1923: 77-79, Mass.; Girault, 1913: 56, Tex.; Johnson, 1910: 775, N.J.; Weed and Conradi, 1902: 20-21, N.H.; Chittenden, 1899: 26; Coquillett, 1897: 21-22, Pa.; Brauer and Bergenstamm, 1895: 579, 582, Cent. Amer.; Cook, 1889: 95-96, Mich.

Anasa spp.

Aldrich, 1915: 83.

Archimerus alternatus (Say)

Yonke and Medler, 1969: 176-177, Wis.

Archimerus calcarator (Fabricius)

Drake, 1920: 68, Fla.

Chelinidea canyona Hamlin

Mann, 1969: 14, 127, Tex.; Hamlin, 1924: 207, Tex.

Chelinidea tabulata (Burmeister)

Mann, 1969: 14, 127, Tex.

Chelinidea vittiger Uhler

Mann, 1969: 14, 127, Tex.

Chelinidae vittiger aequoris McAtee

Hamlin, 1924: 199, Fla., Tex.; Hamlin, 1924: 201, Fla. (ex *C. vittiger aequoris* var. *artuatra* McAtee).

Euthochtha galeator (Fabricius)

Yonke and Medler, 1969: 183-184, Wis.

Leptoglossus oppositus Say

Fattig, 1949: 34; Morrill, 1910: 92, Tex. (incomplete rearing — egg); Chittenden, 1902: 25.

Leptoglossus phyllopus (Linnaeus)

Capelouto, 1949: 33, Fla. (incomplete rearing — egg); Fattig, 1949: 34; Bratley, 1936: 65-66, Fla. (incomplete rearing — egg); Allen, 1929: 682, Miss.; Worthley, 1924: 10, Tex.; Reinhard, 1922: 73, Tex. (as *Trichiopoda*); Watson, J. R., 1922: 59R, Fla.; Drake, 1920: 68, Fla.

Leptoglossus spp.

Essig, 1926: 578 (ex leaf-footed plant bugs); Aldrich, 1915: 83.

Narnia pallidicornis Stål

Mann, 1969: 14, 135.

Largidae

Largus cinctus californicus (Van Duzee)

Gerhardt, 1942: 43 (ex *Euryophthalmus*).

Largus sp.

Sabrosky, 1955: 711, Calif.

Pentatomidae

Acrosternum hilare (Say)

Underhill, 1934: 17, Va.; Drake, 1920: 45, 68, Fla.

Acrosternum pennsylvanicum (De Geer)

Drake, 1920: 68, Fla.

Alcaeorrhynchus grandis (Dallas)

Watson, J. R., 1922: 59R, Fla.

Euschistus servus (Say)

Capelouto, 1949: 33, Fla. (ex brown stink bug, incomplete rearing — egg); Fattig, 1949: 34, Ga.

Euschistus variolarius (Palisot de Beauvois)

Parish, 1934: 54, Iowa.

Murgantia histrionica (Hahn)

Davis, 1964a: 370 (lab.); Worthley, 1924: 10, Tex. (incomplete rearing — egg).

Nezara viridula (Linnaeus)

Funasaki, 1969: 555, Hawaii (as *T. pennipes* var. *pilipes* (Fabricius), incomplete rearing — egg); Miyahira, 1969: 241, Hawaii (incomplete rearing — egg); Mitchell, 1968: 18, Hawaii (incomplete rearing — egg); Shahjahan, 1968: 1088-1090, Hawaii (as *T. pennipes pilipes*); Shahjahan, 1968a: 1102, Hawaii (as *T. pennipes pilipes*); Clausen, 1956: 57; Hayslip, Genung, Kelsheimer and Wilson, 1953: 47, fig. 30, Fla. (ex southern green stink bug); Simmonds, 1953a: 782, Fla., Ga.; Wolcott, 1951a: 471, P.R. (ex southern green stink bug); Capelouto, 1949: 31-33, unnumbered fig. on p. 32, Fla.; Fattig, 1949: 34, Ga.; Hayslip, 1945: 199, Fla.; Hayslip, 1944: 124, Fla.; Bratley, 1939: 95, Fla.; Bratley, 1937: 72, Fla.; Bratley, 1936: 65-66, Fla.; Watson, J. R., 1936: 406, Fla.; Douglas, 1935: 686, La.; Watson, J. R., 1935: 244, Fla.; Bratley, 1934: 52, Fla.; Watson, 1934: 43, Fla.; Bratley, 1933: 77, Fla.; Watson, J. R., and Berger, 1932: 101-103, 132, fig. 65, Fla.; Anon., 1930a: 400, Fla. (ex southern green stink bug); Watson, J. R., 1928: 46R, Fla.; Wilson, C. E., 1923: 14, Virgin Islands; Wilson, C.E., 1923a: 29, Virgin Islands; Reinhard, 1922: 73, Tex. (as *Trichiopoda*); Watson, J. R., 1922: 59R, Fla.; Watson, J. R., 1921: 32R, Fla. (as "*Trichopodes*" ex "*Nezara*," incomplete rearing — egg); Dozier, 1920: 372, Fla.; Drake, 1920: 67-74, figs. 21, 23-24, Fla.; Jones, T. H., 1918: 22, La. (incomplete rearing — egg); Watson, J. R., 1918: 261-262, Fla. (ex pumpkin bug).

Nezara viridula smaragdula (Fabricius)

Most records ex *Nezara viridula*.

Anon., 1969a: 80, Hawaii (incomplete rearing — egg); Davis and Chong, 1969: 319, Hawaii (as *T. pennipes*, Florida strain); Anon., 1968: 85, Hawaii (incomplete rearing — egg); Miyahira, 1968: 503, Hawaii (incomplete rearing — egg); Miyahira, 1968b: 624, Hawaii; Miyahira and Ah Sam, 1968: 966, Hawaii (incomplete rearing — egg); Anon., 1966: 75, Hawaii (ex *N. viridula smaragdula*); Anon., 1966b: 103, Hawaii (ex *N. viridula smaragdula*, incomplete rearing — egg);

Mitchell and Yoshioka, 1966: 286, Hawaii (incomplete rearing — egg); Miyahira, 1966: 1069, Hawaii (incomplete rearing — egg); Yoshioka and Miyahira, 1966: 231, Hawaii (ex *N. viridula smaragdula*, incomplete rearing — egg); Anon., 1965: 79, Hawaii; Davis, 1965: 8-9, Hawaii (ex southern green stink bug); Davis and Krauss, 1965: 89, Hawaii (ex *N. viridula smaragdula*); Miyahira, 1965: 28, Hawaii (ex *N. viridula smaragdula*); Anon., 1964: 221-222, Hawaii (ex *N. viridula smaragdula*); Davis, 1964b: 414, Hawaii; Kim and Miyahira, 1964: 1155, Hawaii; Davis, 1963: 203, Trinidad (ex *N. viridula smaragdula*); Davis, 1963a: 1324, Hawaii; Kim, 1963: 186-187, Hawaii (incomplete rearing — egg); Kim, 1963a: 535, Hawaii.

Plautia stali Scott

Mau, 1969: 267, Hawaii (incomplete rearing — egg); Anon., 1968a: 316, Hawaii (incomplete rearing — egg).

Thyanta accerra McAtee

Beardsley, 1966: 146, Hawaii (incomplete rearing — egg).

Thyanta perditor (Fabricius)

Wilson, C. E., 1923a: 34, Virgin Islands.

Scutelleridae

Coleotichus blackburniae White

Beardsley, 1965a: 8, Hawaii; Davis, 1965: 8-9, Hawaii; Beardsley, 1964a: 414, Hawaii; Davis, 1964a: 370 (lab.); Davis, 1964b: 414, Hawaii; Perkins, 1963: 1416, Hawaii (incomplete rearing — egg).

STAGE PARASITIZED: Nymph, adult.

IMMATURES: Egg — Hayslip, Genung, Kelsheimer and Wilson, 1953: (descr., fig. 30); Capelouto, 1949: (unnumbered fig. on p. 32); Beard, 1940: (fig. 1); Beard, 1940a: (descr., fig. 12, pl. 1E); Watson, J. R., and Berger, 1932: (fig. 65); Worthley, 1924a: (descr., fig. 16 on pl. 3); Drake, 1920: (descr., fig. 21); Jones, T. H., 1918: (descr.); Weed and Conradi, 1902: (descr.).

First instar larva — Beard, 1940a: (descr., figs. 10-13).

Second instar larva — Beard, 1940a: (descr., figs. 10, 13).

Third instar larva — Beard, 1940a: (descr., figs. 11, 13, pl. 1F); Worthley, 1924a: (descr., figs. 17-18 on pl. 3); Drake, 1920: (descr., fig. 23).

Pupa — Beard, 1940a: (descr.); Worthley, 1924a: (descr., figs. 19-21 on pl. 3); Greene, 1922: (descr., fig. 22 on pl. 5);

Drake, 1920: (descr., fig. 24); Jones, T. H., 1918: (descr.);
Weed and Conradi, 1902: (descr.).

BIOLOGY: Yonke and Medler, 1969: (176-177, 183-184);
Miyahira and Ah Sam, 1968: (966); Shahjahan, 1968:
(1088-1090); Davis, 1963a: (1324); Hayslip, Genung,
Kelsheimer and Wilson, 1953: (47); Capelouto, 1949:
(31-33); Bratley, 1943: (6); Beard, 1940: (269-272); Beard,
1940a: (607, 624-672); Beard, 1936: (335-336); Watson, J.
R., and Berger, 1932: (101-103, 132); Worthley, 1924:
(7-16); Worthley, 1923: (77-79); Drake, 1920: (67-74);
Jones, T. H., 1918: (22); Weed and Conradi, 1902: (20-21).

Trichopoda pennipes (Fabricius) probably
HOST: HEMIPTERA (HETEROPTERA)

Coreidae

Anasa armigera (Say)
Chittenden, 1899: 34.

HOST: ORTHOPTERA

Mantidae

Tenodera australasiae (Leach)

Beardsley, 1965: 3, Hawaii (incomplete rearing — egg);

Beardsley, 1964: 150, Hawaii (incomplete rearing — egg).

STAGE PARASITIZED: Adult (Hemiptera — Heteroptera,
Orthoptera).

Trichopoda pennipes (Fabricius) complex
HOST: HEMIPTERA (HETEROPTERA)

Coreidae

Archimerus alternatus (Say)

Patton, 1958: 84, Fla.

Leptoglossus phyllopus (Linnaeus)

Patton, 1958: 84, Fla.

STAGE PARASITIZED: Adult.

Trichopoda pilipes (Fabricius)
All records as *Trichopoda pennipes pilipes*.
HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Nezara viridula smaragdula (Fabricius)
Most records ex *Nezara viridula*.

Anon., 1969a: 80, Hawaii (incomplete rearing — egg); Davis and Chong, 1969: 319, Hawaii; Kawamura, 1969: 726, Hawaii (incomplete rearing — egg); Kawamura and Funasaki, 1969: 632, Hawaii (incomplete rearing — egg); Wong, 1969: 217, Hawaii (incomplete rearing — egg); Yamamoto, 1969: 301, Hawaii (incomplete rearing — egg); Miyahira, 1968: 503, Hawaii (incomplete rearing — egg); Miyahira and Ah Sam, 1968: 966, Hawaii (incomplete rearing — egg); Yoshioka, 1968: 652, Hawaii (incomplete rearing — egg); Funasaki, 1967: 450, Hawaii (incomplete rearing — egg); "Jackson et al.," 1967: 822, Hawaii (incomplete rearing — egg); Miyahira, 1967: 473, Hawaii (incomplete rearing — egg); Nakao and Miyahira, 1967: 345, Hawaii (incomplete rearing — egg); Yoshioka and Miyahira, 1966a: 444, Hawaii (ex *N. viridula smaragdula*); Davis and Krauss, 1965: 89, Hawaii (ex *N. viridula smaragdula*); Davis, 1964: 347, Fla., Hawaii (ex *N. viridula smaragdula*); Davis, 1964a: 369-375, Fla., Hawaii (ex *N. viridula smaragdula*); Davis and Krauss, 1964: 393, Hawaii (ex *N. viridula smaragdula*); Kim, 1964: 328, Hawaii (ex *N. viridula smaragdula*); Kim, 1964a: 333, Hawaii; Mitchell, 1964: 345, Hawaii (ex southern green stink bug); Davis and Krauss, 1963: 247, Hawaii, Trinidad (ex *N. viridula smaragdula*).

Scutelleridae

Coleotichus blackburniae White

Perkins, 1964: 351, Hawaii (incomplete rearing — egg).

STAGE PARASITIZED: Adult.

BIOLOGY: Kawamura and Funasaki, 1969: (632); Davis, 1964a: (369-375); Kim, 1964: (328); Mitchell, 1964: (345); Perkins, 1964: (351).

Trichopoda plumipes (Fabricius)

HOST: HEMIPTERA (HETEROPTERA)

Coreidae

Acanthocephala terminalis (Dallas)

Fattig, 1949: 34, Ga.

Leptoglossus phyllopus (Linnaeus)

Fattig, 1949: 34, Ga.

HOST: ORTHOPTERA

Acrididae

Dissosteira pictipennis (Bruner)

All records ex *Dissosteira venusta* Stål.

Essig, 1926: 578, Calif.; Coquillett, 1897: 21, 23, Calif.

Unidentified Acrididae

Coquillett, 1897: 21, 23.

STAGE PARASITIZED: Adult (Orthoptera).

Trichopoda plumipes (Fabricius) probably

HOST: ORTHOPTERA

Acrididae

Dissosteira pictipennis (Bruner)

Brauer and Bergenstamm, 1895: 579, 591, N. Amer. (as *T.* (? *trifasciata* Loew) ex *D. cornuta* Stål).

Trichopoda radiata, see *Trichopoda lanipes*

Trichopoda subdivisa (Townsend)

HOST: ORTHOPTERA

Acrididae

Dissosteira pictipennis (Bruner)

Townsend, 1908: 133, Calif. (as *Polistomyia* ex *D. venusta* Stål).

Trichopoda trifasciata probably, see *Trichopoda plumipes* probably

Trichopoda sp., see *Trichopoda pennipes* or *Trichopoda* spp.

Trichopoda spp. (including *T. pennipes* and/or *T. pilipes*)

HOST: HEMIPTERA (HETEROPTERA)

Pentatomidae

Nezara viridula smaragdula (Fabricius)

Miyahira and Ah Sam, 1969: 72, Hawaii (as *T. pennipes* and/or *T. pennipes* var. *pilipes* ex *N. viridula*, incomplete rearing — egg).

STAGE PARASITIZED: Adult.

Trichopoda spp.

HOST: HEMIPTERA (HETEROPTERA)

Coreidae

Acanthocephala terminalis (Dallas)

Shannon, 1914: 182, D.C. (ex *Metapodius*); Shannon, 1914: 182, Va. (ex *Metapodius instabilis* Uhler).

Anasa spp.

Townsend, 1913: 148 (as *Trichopodopsis*); Townsend, 1908: 135.

Leptoglossus spp.

Townsend, 1913: 148 (as *Trichopodopsis*); Townsend, 1908: 135.

Pentatomidae

Chlorochroa spp.

Cook, 1889: 96 (as *Phasia* nearly allied to *T. pennipes* (Fabricius) ex "*Pentato mia*").

Nezara viridula (Linnaeus)

All records ex southern green stink bug.

Bratley, 1943: 6, Fla. (as feather-legged fly); Bratley, 1938: 13-14, Fla. (as feather-legged fly).

Nezara viridula smaragdula (Fabricius)

Anon., 1966e: 995, Hawaii.

Plant bug(-s)

Bratley, 1938: 13-14, Fla. (as feather-legged fly).

HOST: ORTHOPTERA

Acrididae

Dissosteira spp.

Townsend, 1913: 148 (as *Trichiopoda*).

STAGE PARASITIZED: Adult (Hemiptera-Heteroptera).

IMMATURES: Egg — Bratley, 1938: (descr.); Townsend, 1913: (descr.).

BIOLOGY: Bratley, 1943: (6); Bratley, 1938: (13-14); Shannon, 1914: (182).

"*Trichopodes*" *pennipes*, see *Trichopoda pennipes*

Trichopodopsis sp., see *Trichopoda* spp.

Trisisyropa platysamiae, see *Winthemia cecropia*

Tsugaea Hall (Goniinae: Eryciini)

Tsugaea nox Hall

HOST: HYMENOPTERA

Diprionidae

Neodiprion sp. near *scutellatis* Rohwer

Smith, 1962: 189, Idaho (ex *N.* near "*scutellaris*").

Neodiprion tsugae Middleton

Anon., 1953c: 137, B.C.; Furniss and Dowden, 1941: 49-50, Oreg.; Hall, 1939: 242, Oreg. (ex "*Neodipiron*").

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Furniss and Dowden, 1941: (49-50).

Uramya Robineau-Desvoidy (Dexiinae: Uramyini)

Uramya acuminata, see *Uramya halisidotae*

Uramya halisidotae (Townsend)

HOST: LEPIDOPTERA

Arctiidae

Halisidota argentata Packard

Silver, 1958: 76, B.C. (as *Uromacquartia*); Guppy, R., 1950: 4, B.C. (as *Uromacquartia*); Prebble, 1942a: 165, B.C. (as *Uramya*); Aldrich, 1921: 86, Calif., Oreg. (as *Uramya*); Cole, F. R., and Lovett, 1921: 300, Oreg. (as *Uramya acuminata* (Bigot)).

Lasiocampidae

Malacosoma sp.

Aldrich, 1921: 86, Calif. (as *Uramya*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Greene, 1922: (descr., fig. 96 on pl. 20).

BIOLOGY: Guppy, R., 1950: (4).

Uramya acuminata, see *Uramya halisidotae*

Uramya halisidotae, see *Uramya halisidotae*

Uromacquartia halisidotae, see *Uramya halisidotae*

Urophyllopsis Townsend (Goniinae: Blondeliini)

Urophyllopsis retiniae (Coquillett)

Most records as *Admontia retiniae*.

HOST: LEPIDOPTERA

Olethreutidae

Rhyacionia pasadenana (Kearfott)

Rawlings, 1960: 56, Calif. (ex *Evetria*); Lange, 1937: 29, Calif.

Rhyacionia spp.

All records ex *Retinia* sp.

Smith, H. E., 1912: 127 (as *Hyperecteina* "retinae");
Coquillett, 1897: 9, 27, Calif.

Rhyacionia sp. probably

Essig, 1926: 579, Calif. (ex *Evetria*).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Third instar larva — Lange, 1937: (descr.).

Pupa — Lange, 1937: (descr.).

BIOLOGY: Lange, 1937: (29).

Varichaeta aldrichi, see *Mericia* spp.

Varichaeta sp., see *Mericia* spp. probably

Vibrissotheresia Reinhard (Proseninae: Theresiini)

Vibrissotheresia pechumani Reinhard

HOST: DIPTERA

Tabanidae

Tabanus reinwardtii Wiedemann probably

Tashiro and Schwardt, 1953: 681, N.Y.

STAGE PARASITIZED: Larva.

"*Viviana*" sp., see *Sitophaga georgiae*

Viviania georgiae, see *Sitophaga georgiae*

Viviania lachnosternae, see *Sitophaga georgiae*

Viviania nocturnalis, see *Sitophaga nocturnalis*

Viviania sp., see *Sitophaga* spp.

Voria Robineau-Desvoidy (Tachininae: Voriini)

Voria aurifrons (Townsend)

HOST: LEPIDOPTERA

Noctuidae

Autographa californica (Speyer) probably

Anon., 1961a: 299, B.C.; MacNay, 1961: 274, B.C. (ex alfalfa looper).

Heliothis zea (Boddie)

Bottrell, Young, Price and Adams, 1968: 1054, Okla.

STAGE PARASITIZED: Larva.

Voria ruralis (Fallén)

HOST: LEPIDOPTERA

Noctuidae

Anticarsia gemmatilis Hübner

All records ex *Anticarsia* "*gemmatilis*."

*Wolcott, 1951a: 481, P.R. (Plank, 1945); Plank, 1945: 26, P.R.

Autographa californica (Speyer)

Clancy, 1969: 1079, Calif.; Jackson, C. G., Butler and Bryan, 1969: 70, Ariz.; Brubaker, 1968: 308, Ariz.; Puttarudriah, 1953: 723, Calif.; Spencer, 1936: 28, B.C.; Essig, 1926: 580, Wash. (as *Plagia americana* Wulp); Childs, 1915: 185, Oreg. (as *Plagia americana* ex *Plusia*);

Hyslop, 1912: 116, probably Wash. (as *Plagia americana* ex *A. gamma californica*).

Autographa sp.

Vickery, 1925: 140, Tex. (as *Plagia americana*).

Autoplusia egena (Guenée)

Clancy, 1969: 1079, Calif.

Peridroma saucia (Hübner)

Jackson, C. G., Butler and Bryan, 1969: 69, Ariz.;
Montgomery, 1933: 186, Ind. (ex *Lycophotia*).

Plusia aereoides Grote

Tothill, 1913: 74, Ont. (as *Plagia americana*).

Spodoptera frugiperda (J. E. Smith)

Jackson, C. G., Butler and Bryan, 1969: 69, Ariz.; Butler,
1958: 562, Ariz. (ex *Laphygma*).

Trichoplusia ni (Hübner)

Bryan, D. E., Jackson and Stoner, 1969: 1, 6-7 (lab.); Clancy,
1969: 1079-1082, Calif.; Jackson, C. G., Butler and
Bryan, 1969: 69-70 (lab.); Brubaker, 1968: 306-309,
Ariz.; Bosch and Hagen, 1966: 25, Calif.; Oatman, 1966:
1136-1138, Calif.; Anon., 1962b: 269, Ariz. (ex cabbage
looper); Anon., 1961b: 18, Ariz.; Anon., 1961e: 1049,
Ariz. (ex cabbage looper); Bibby, 1961: 328, Ariz.;
Gibson, W. W., and Carrillo S., 1959: 184, Mexico (Son.);
Butler, 1958: 562, Ariz.; McKinney, 1944: 14, Ariz. (ex
Autographa brassicae Riley); Schaffner and Griswold,
1934: 69, 108 (ex *Autographa brassicae*).

Phalaenid moth(-s)

Tilden, 1951: 164-165, Calif.

Unidentified Noctuidae

Schaffner and Griswold, 1934: 72, 108.

Noctuidae and/or Pyralidae

Noctuid and/or pyralid spp. (including *Scotogramma trifolii*
(Rottenburg) and/or *Loxostege sticticalis* (Linnaeus))

Anon., 1956d: 1044, Idaho (ex clover cutworm and/or beet
webworm).

Pyralidae and/or Noctuidae,
see Noctuidae and/or Pyralidae

Unidentified Lepidoptera

Green looper(-s)

Butler, 1958: 562, Ariz. (ex green looper on mesquite).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Brubaker, 1968: (descr.).

Pupa — Greene, 1922: (descr., fig. 49 on pl. 11).

BIOLOGY: Bryan, D. E., Jackson and Stoner, 1969: (1, 6-7);
Clancy, 1969: (1079-1082); Jackson, C. G., Butler and
Bryan, 1969: (69-70); Brubaker, 1968: (306-309); Schaffner
and Griswold, 1934: (108); Hyslop, 1912: (116).

Voria ruralis (Fallén) probably

HOST: LEPIDOPTERA

Noctuidae

Autographa gamma (Linnaeus)

Brauer and Bergenstamm, 1895: 570, 603 (as *Plagia* ex
Plusia).

Trichoplusia ni (Hübner)

Anon., 1960e: 1115, Ariz. (ex cabbage looper).

STAGE PARASITIZED: Larva.

BIOLOGY: Anon., 1960e: (1115).

Wagneria Robineau-Desvoidy (Tachininae: Voriini)

Wagneria helymus, see *Periscepsia helymus*

Wagneria laevigata, see *Periscepsia laevigata*

Wagneria major Curran

HOST: LEPIDOPTERA

Noctuidae

Choephora fungorum Grote and Robinson

Reinhard, 1955: 55, Miss.

Wagneria rohweri, see *Periscepsia rohweri*

Wagneria sequax, see *Periscepsia helymus*

Wagneria vernata West

HOST: LEPIDOPTERA

Noctuidae

Protorthodes oviducta (Guenée)

Reinhard, 1955: 54, N.J.

Xylena sp.

Reinhard, 1955: 54, N.J.

Wagneria vernata West probably
HOST: LEPIDOPTERA

Noctuidae

Orthosia hibisci (Guenée)

Schaffner and Griswold, 1934: 46, 124, Mass. (ex *O. hibisci*
form normal *insciens* Walker).

BIOLOGY: Schaffner and Griswold, 1934: (46, 124).

Wagneria sp.

HOST: LEPIDOPTERA

Noctuidae

Choephora fungorum Grote and Robinson

Allen, 1929: 689, Miss. (ex *Epsilia*).

“**Winthema**” *quadripustulata*, see *Winthemia quadripustulata*

Winthemia Robineau-Desvoidy (Goniinae: Winthemiini)

Winthemia abdominalis (Townsend)

HOST: LEPIDOPTERA

Noctuidae

Spodoptera frugiperda (J. E. Smith)

Fattig, 1949: 35, Ga. (ex *Laphygma*).

Winthemia amoena, see *Omotoma fumiferanae*

Winthemia borealis Reinhard

HOST: LEPIDOPTERA

Noctuidae

Scoliopteryx libatrix (Linnaeus)

Raizenne, 1952: 74, Ont.

Winthemia cecropia (Riley)

HOST: LEPIDOPTERA

Saturniidae

Actias luna (Linnaeus)

Raizenne, 1952: 15, Ont.

Antheraea polyphemus (Cramer)

Hagen, 1875: 205, New England (as *Exorista* “*leucaniae* var.
cecropiae” ex *polyphemus*).

Platysamia cecropia (Linnaeus)

Collins, M. M., and Weast, 1961: 94 (as *Exorista* "*cecropiae*" ex *Hyalophora*); Raizenne, 1952: 14, Ont. (as *Trisisyropa platysamiae* (Townsend) ex *Hyalophora*); Sabrosky, 1948: 64, Mich., Pa. (ex *Samia*); Reinhard, 1931: 35, Ill. (as *W. cecropiae* Reinhard); Reinhard 1931: 54, N.Y. (as *W. platysamiae*); Packard, 1914: 269 (as *Exorista* "*cecropiae*" ex *Samia*); *Brauer and Bergenstamm, 1895: 554, 605, N. Amer. (as *Exorista platysamiae* ex *Saturnia*, Townsend, 1892a); Townsend, 1892a: 288, N.Y. (as *Exorista platysamiae*); Hagen, 1875: 205, New England (as *Exorista* "*leucaniae* var. *cecropiae*" ex *cecropia*); Riley, 1872: 108-109, Ill. (as *Exorista* "*leucaniae* var. *cecropiae*" ex *Attacus*); Riley, 1870a: 101, Ill. (as *Exorista* ex *Attacus*).

STAGE PARASITIZED: Larva.

IMMATURES: Third instar larva — Riley, 1872: (descr.); Riley, 1870a: (descr.).

BIOLOGY: Riley, 1872: (108-109); Riley, 1870a: (101).

Winthemia cecropiae, see *Winthemia cecropia*

Winthemia cilitibia, see *Winthemia venusta*

Winthemia citheroniae Sabrosky

HOST: LEPIDOPTERA

Citheroniidae

Citheronia regalis Fabricius

Patton, 1958: 84, Fla.; Sabrosky, 1948: 65, Fla., Md.

Eacles imperialis (Drury)

Patton, 1958: 84, Fla.; Patton, 1957: 70 (ex "*Eacles imperialis*").

STAGE PARASITIZED: Pupa.

BIOLOGY: Patton, 1958: (84); Patton, 1957: (70).

Winthemia datanae (Townsend)

HOST: LEPIDOPTERA

Arctiidae

Diacrisia virginica (Fabricius)

Schaffner and Griswold, 1934: 36, 123 (as *W. datanae* (var. C)).

Estigmene acrea (Drury)

Schaffner and Griswold, 1934: 38, 123 (as *W. datanae* (var. C)).

Euchaetias egle (Drury)

Schaffner and Griswold, 1934: 39, 123 (as *W. datanae* (var. C)).

Unidentified Arctiidae

Schaffner and Griswold, 1934: 40-41, 123 (as *W. datanae* (var. C)).

Citheroniidae

Anisota rubicunda (Fabricius)

Schaffner and Griswold, 1934: 30-31, 123 (as *W. datanae* (var. B)).

Anisota senatoria J. E. Smith

Hitchcock, 1961: 963, Conn.; Schaffner and Griswold, 1934: 29-30, 123 (as *W. datanae* (var. B)).

Lasiocampidae

Malacosoma disstria Hübner

Sippell, 1961: 436, Ont.

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Schaffner and Griswold, 1934: 85, 123 (as *W. datanae* (var. C)).

Noctuidae

Pseudaletia unipuncta (Haworth)

Boyce and Wilkes, 1953: 126 (ex *P. "unipunctata"*).

Unidentified Catocalinae

Schaffner and Griswold, 1934: 67, 123 (as *W. datanae* (var. A)).

Notodontidae

Datana angusii Grote and Robinson

Schaffner and Griswold, 1934: 74-75, 122.

Datana integerrima Grote and Robinson

Schaffner and Griswold, 1934: 76, 122.

Datana ministra (Drury)

Patton, 1958: 84, Fla.; Fattig, 1949: 35, Ga.; *Procter, 1946: 431, Maine (Procter, 1938); Procter, 1938: 372,

Maine (as *W. "detana"* ex "*Detana*"); Schaffner and Griswold, 1934: 74, 122.

Datana perspicua Grote and Robinson

Schaffner and Griswold, 1934: 75, 122.

Datana spp.

Reinhard, 1931: 30; *Brauer and Bergenstamm, 1895: 553, 590, N. Amer. (as *Exorista*), Townsend, 1892a); Townsend, 1892a: 288-289, N.Y. (as *Exorista*).

Dicentria lignicolor (Walker)

Schaffner and Griswold, 1934: 80, 123 (as *W. datanae* (var. A) ex *Ianassa*).

Hyperaeschra stragula (Grote)

Schaffner and Griswold, 1934: 76-77, 123, Conn., Mass. (as *W. datanae* (var. D)).

Pheosia rimosa Packard

Raizenne, 1952: 83, Ont.; Schaffner and Griswold, 1934: 77, 122.

Schizura badia (Packard)

Schaffner and Griswold, 1934: 81, 123, Mass. (as *W. datanae* (var. A)).

Schizura concinna (J. E. Smith)

Schaffner and Griswold, 1934: 81, 123 (as *W. datanae* (var. A)).

Schizura ipomaeae Doubleday

Schaffner and Griswold, 1934: 80, 123 (as *W. datanae* (var. A) ex *S. "ipomoeae"*).

Schizura leptinoides (Grote)

Schaffner and Griswold, 1934: 82, 123 (as *W. datanae* (var. A)).

Schizura unicornis (J. E. Smith)

Schaffner and Griswold, 1934: 81-82, 123 (as *W. datanae* (var. A)).

Saturniidae

Platysamia cecropia (Linnaeus)

Most records ex *Samia cecropia*.

Marsh, F. L., 1941: 336, Ill.; Marsh, F. L., 1938: 138-140, Ill. (ex *cecropia*); Marsh, F. L., 1937: 107-108, Ill.

Sphingidae

Ceratomia catalpae (Boisduval)

Schaffner and Griswold, 1934: 17, 122, N.J.

Cressonia juglandis (J. E. Smith)

Schaffner and Griswold, 1934: 22, 123 (as *W. datanae* (var. B)).

Paonias excaecata (J. E. Smith)

Schaffner and Griswold, 1934: 21, 123 (as *W. datanae* (var. B)).

Sphinx drupiferarum J. E. Smith

Schaffner and Griswold, 1934: 20, 123 (as *W. datanae* (var. B) ex *Hyloicus*).

Sphinx gordius Cramer

Schaffner and Griswold, 1934: 19, 123 (as *W. datanae* (var. B) ex *Hyloicus*).

STAGE PARASITIZED: Larva.

IMMATURES: Egg — Marsh, F.L., 1938: (descr.).

BIOLOGY: Patton, 1958: (84); Marsh, F. L., 1938: (138-140);

Schaffner and Griswold, 1934: (76-77, 122-123).

Winthemia datanae (vars. A, B, C, D), see *Winthemia datanae*

Winthemia datanae (Townsend) probably

HOST: LEPIDOPTERA

Arctiidae

Isia isabella (J. E. Smith)

Schaffner and Griswold, 1934: 36-37, 123.

Noctuidae

Acronicta impleta Walker

Schaffner and Griswold, 1934: 55, 122 (ex *Acronycta*).

Saturniidae

Samia cynthia advena (Packard)

Schaffner and Griswold, 1934: 26, 123 (ex *S. walkeri advena*).

Winthemia sp. near *datanae* (Townsend)

HOST: LEPIDOPTERA

Citheroniidae

Anisota senatoria J. E. Smith

Hitchcock, 1961: 963, Conn.

STAGE PARASITIZED: Larva.

Winthemia deilephilae (Osten Sacken)Most records as *Tachina deilephilae*.

HOST: LEPIDOPTERA

Sphingidae

Hyles lineata (Fabricius)

Reinhard, 1931: 34 (as *Winthemia ex Celerio*); *Brauer and
Bergenstamm, 1895: 575, 607 (ex *Sphinx*, Osten Sacken,
1887); Osten Sacken, 1887: 165 (ex *Deilephila*).

Winthemia deilephilae (Osten Sacken) probably

HOST: LEPIDOPTERA

Sphingidae

Sphinx sp.

Brauer and Bergenstamm, 1895: 548, 606, N. Amer. (as
Chaetolyga).

Winthemia "detana," see *Winthemia datanae***"Winthemia diversoides** Baranov"

HOST: LEPIDOPTERA

Geometridae

Anacamptodes fragilaria (Grossbeck)

*Vide Chong, 1965: 15, Hawaii (ex "*Anacamptodes*," probable
parasite, Nakao, 1964); Nakao, 1964: 333 (as
Eucelatoria armigera (Coquillett), lab.).

Noctuidae

Achaea janata (Linnaeus)

*Vide Chong, 1965: 15, Hawaii (probable parasite, Nakao,
1964); Nakao, 1964: 333 (as *Eucelatoria armigera*, lab.).

STAGE PARASITIZED: Larva.

Winthemia fumiferanae, see *Omotoma fumiferanae***Winthemia infesta** (Williston)Most records as *Exorista infesta*.

HOST: LEPIDOPTERA

Noctuidae

Spodoptera frugiperda (J. E. Smith)All records ex *Laphygma frugiperda*.

Reinhard, 1931: 54, Ill. (as *Winthemia*); Forbes, 1885: 65,
Ill.

Armyworm(-s)

Chittenden, 1901a: 35.

Winthemia intermedia Reinhard

HOST: LEPIDOPTERA

Noctuidae

Pseudoplusia includens (Walker)Fattig, 1949: 35, Ga. (ex *Autographa rogationis* Guenée).*Winthemia leucanae* (Kirkpatrick)All but four records as "*leucaniae*."

HOST: LEPIDOPTERA

Noctuidae

Euthisanotia grata (Fabricius)All records ex *Eudryas grata*.

Brauer and Bergenstamm, 1895: 554, 592, Ont., N. Amer. (as *Exorista*); Saunders, 1875: 43-44, Canada (as *Exorista* "*leucania*"); Saunders, 1871: 34-35, Ont. (as *Exorista* "*leucania*").

Peridroma saucia (Hübner)Riley, 1870: 50 (as *Exorista* ex *Agrotis inermis* (Harris)).*Pseudaletia unipuncta* (Haworth)Most records ex *Leucania unipuncta*.

Reinhard, 1931: 53, Ohio; Fyles, 1897: 102, Que. (as *Nemoraëa*); Lugger, 1897: 16, Minn. (as *Exorista*); Panton, 1897: 51, fig. 50, Ont. (as *Nemoraëa*); Lintner, 1896: 56, N.Y. (as *Nemoraëa*); Howard, 1894: 4-5, fig. 3, Va. (as *Nemoraëa*); Webster, 1890: 46, Ind. (as *Nemoraëa*); Bruner, 1889: 32, Nebr. (as *Exorista*); Lintner, 1883: 146, fig. 37 (as *Nemoraëa*); Reed, 1883: 52, fig. 48 (as *Nemoraëa*); Riley, 1883: 126 (as *Nemoraëa leucanae*); Riley, Packard and Thomas, 1883: 105, 135, Ill. (as *Nemoraëa*); Coquillett, 1882b: 52-54, 63, Ill. (as *Exorista*); Thomas, C., 1881: 36-38, Ill. (as *Nemoraëa*); Riley, 1876: 53 (as *Exorista*); Riley, 1871: 116 (as *Exorista* ex true army-worm); Riley, 1870c: 266 (as *Exorista* ex army-worm); Kirkpatrick, 1861: 358, Ohio (as *Exorista leucanae* ex *L. extranea* Guenée).

Spodoptera frugiperda (J. E. Smith)Most records ex *Laphygma frugiperda*.

Hinds and Dew, 1915: 88-90, Ala. (as "*Nemorea*"); Dew, 1913: 265, [Ala.] (as "*Nemorea*"); Riley, 1871: 116, Mo. (as *Exorista* ex *Prodenia autumnalis* Riley).

Armyworm(-s)

Riley, 1871: 129 (as *Exorista*).

Cutworm(-s)

Lintner, 1893: 238, N.Y. (as *Nemoraëa*).

Pyralidae

Pyralis farinalis Linnaeus

Chittenden, 1897: 42-43, Md. (as *Carcelia*, probable host).

Saturniidae

Platysamia cecropia (Linnaeus)

Riley, 1870: 50 (as *Exorista* ex common large Cecropia worm).

Sphingidae

Manduca quinquemaculata (Haworth)

Brauer and Bergenstamm, 1895: 547, 604 (as *Chaetolyga* ex *Protoparce celeus* Hübner).

STAGE PARASITIZED: Larva, pupa.

IMMATURES: Egg — Panton, 1897: (fig. 50); Howard, 1894: (descr., fig. 3).

Larva — Lintner, 1883: (fig. 37).

Third instar larva — Panton, 1897: (fig. 50); Howard, 1894: (fig. 3); Reed, 1883: (fig. 48); Saunders, 1875: (descr.).

Pupa — Panton, 1897: (fig. 50); Howard, 1894: (fig. 3); Lintner, 1883: (fig. 37); Reed, 1883: (fig. 48); Thomas, C., 1881: (descr.); Saunders, 1875: (descr.); Saunders, 1871: (descr.).

BIOLOGY: Hinds and Dew, 1915: (88-90); Fyles, 1897: (102); Panton, 1897: (51); Howard, 1894: (4-5); Riley, 1883: (126); Riley, Packard and Thomas, 1883: (105, 135); Thomas, C., 1881: (36-38); Saunders, 1875: (43-44); Saunders, 1871: (34-35).

Winthemia leucanae (Kirkpatrick) lacking red at tip

All records as *Exorista* "*leucaniae*" lacking red at tip.

HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma disstria Hübner

All records ex *Clisiocampa sylvatica* (Harris).

Riley, 1871: 129; Riley, 1870c: 266, Mo.

Noctuidae

Peridroma saucia (Hübner)

All records ex *Agrotis inermis* (Harris).

Riley, 1871: 129; Riley, 1870c: 266.

Agrotidian(-s)

Riley, 1871: 129; Riley, 1870c: 266.

Notodontidae

Datana ministra (Drury)

Riley, 1871: 129; Riley, 1870c: 266.

Saturniidae

Platysamia cecropia (Linnaeus)

All records ex *Attacus cecropia*.

Riley, 1871: 129; Riley, 1870c: 266 (ex *A. "cecropiae"*).

STAGE PARASITIZED: Larva.

Winthemia leucanae (Kirkpatrick) probably

HOST: LEPIDOPTERA

Noctuidae

Euthisanotia grata (Fabricius)

Saunders, 1876: 38-39 (as *Exorista "leucania"* ex *Eudryas*).

Pseudaletia unipuncta (Haworth)

Riley, Packard and Thomas, 1883: 96, Md. (as *Nemoraeta "leucaniae"* ex *Leucania*).

STAGE PARASITIZED: Larva.

IMMATURES: Pupa — Saunders, 1876: (descr.).

BIOLOGY: Saunders, 1876: (38-39).

Winthemia militaris (Walsh)

HOST: LEPIDOPTERA

Hesperiidae

Thymelicus lineola (Ochsenheimer)

Arthur, 1962: 1085, Ont.

Noctuidae

Pseudaletia unipuncta (Haworth)

Most records ex *Leucania unipuncta*.

Reinhard, 1931: 54, Ill. (ex armyworm); Wood, J. G., 1874: 770, U.S. (as *Exorista* ex "*Leucaria unipunctata*"); Packard, 1869: 407-408 (as *Tachina*); Walsh and Riley, 1869a: 216-217, Mo. (as *Exorista* ex *L. "unipunctata"*); Walsh, 1867: 114, N.Y. (as *Exorista*); Walsh, 1861: 361-362, 367, fig. 5, Ill., Md., Ohio (as *Senometopia*).

Armyworm(-s)

Johannsen, Patch, Morse and Lewis, 1911: 376 (as *Tachina*); Packard, 1890: 16 (as *Tachina*).

Saturniidae

Platysamia cecropia (Linnaeus)

Brauer and Bergenstamm, 1895: 554, 605 (as *Exorista* ex *Saturnia*); Gentry, 1877: 50, Pa. (as *Exorista*); Saunders, 1875a: 25-26, Ont. (as *Exorista* ex *Attacus*); Wood, J. E., 1874: 770-771, U.S. (as *Exorista* ex *Attacus*).

HOST: ORTHOPTERA

Acrididae

Grasshopper(-s)

Johannsen, Patch, Morse and Lewis, 1911: 376 (as *Tachina*, questionable host).

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

IMMATURES: Egg — Saunders, 1875a: (descr.); Walsh and Riley, 1869a: (descr.).

Third instar larva — Saunders, 1875a: (descr.).

Pupa — Walsh, 1861: (descr., fig. 5).

BIOLOGY: Johannsen, Patch, Morse and Lewis, 1911: (376); Saunders, 1875a: (25-26); Packard, 1869: (407-408); Walsh, 1861: (361-362, 367).

Winthemia militaris (Walsh) probably

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

Pond, 1960: 665, N.B.

STAGE PARASITIZED: Larva.
Winthemia sp. near *militaris* (Walsh)
HOST: LEPIDOPTERA

Lasiocampidae

Malacosoma disstria Hübner
Walsh, 1867: 113-114, N.Y. (as *Exorista ex Clisiocampa sylvatica* (Harris)).

Noctuidae

Pseudaletia unipuncta (Haworth)
Maxson, 1920: 81, Colo. (ex *Cirphis*).
STAGE PARASITIZED: Larva.
Winthemia obscura, see *Buquetia obscura*
Winthemia occidentis Reinhard
HOST: LEPIDOPTERA

Geometridae

Lambdina fiscellaria (Guenée)
Anon., 1952b: 180, 182, 186, B.C.; Anon., 1950c: 241, 243, 249-250, B.C.; Anon., 1949: 276, 280, 286, B.C.
Lambdina fiscellaria fiscellaria (Guenée)
Carroll, 1956: 594, B.C.
Lambdina fiscellaria lugubrosa (Hulst)
All records ex western hemlock looper.
Arnaud, 1963: 131, B.C.; Reinhard, 1931: 23, B.C.
Lambdina fiscellaria somniaria (Hulst)
Boyes and Wilkes, 1953: 126, 157, B.C. (ex *L. fiscellaria* "somniaria").
STAGE PARASITIZED: Pupa.
Winthemia ostensackenii (Kirkpatrick)
HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)
Reinhard, 1931: 53, Ohio (ex *Leucania*); Kirkpatrick, 1861: 358, Ohio (as *Exorista ex Leucania extranea* Guenée).
STAGE PARASITIZED: Larva.
Winthemia platysamiae, see *Winthemia cecropia*
Winthemia "pustulata," see *Winthemia quadripustulata*

Winthemia "quadripunctata," see *Winthemia quadripustulata*

Winthemia quadripustulata (Fabricius)

HOST: COLEOPTERA

Curculionidae

Curculio proboscideus (Fabricius)

Brooks, F. E., and Cotton, 1929: 15, W. Va.

Unidentified Curculionidae

Parker, 1916: 236, Md.

HOST: HYMENOPTERA

Diprionidae

Diprion similis (Hartig)

Webber, 1932: 206, Mass. (ex *D. "simile"*).

HOST: LEPIDOPTERA

Arctiidae

Halisidota tessellaris (J. E. Smith)

Allen, 1925: 7, figs. 2-7; Johnson, 1910: 782, N.J. (ex *H. "tessellata"*); Coquillett, 1897: 22, 25, N.Y. (as *W. 4-pustulata* ex *H. "tessellata"*).

White woolly bear(-s)

Rowe, 1933: 125, Ill.

Bombycidae

Unidentified Bombycidae

Coquillett, 1897: 21, 24 (as *W. 4-pustulata*).

Citheroniidae

Anisota senatoria J. E. Smith

Webber and Schaffner, 1926: 25, New England.

Geometridae

Cingilia catenaria (Cramer)

Franklin, 1950: 57.

Ematurga amitaria (Guenée)

Franklin, 1950: 57.

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Franklin, 1950: 57; Essig, 1926: 584; Webber and Schaffner, 1926: 12-13, Mass., New England, N.Y., Pa.; Allen, 1925: 7-8, figs. 2-7; Britton, 1917: 110; Johnson, 1910: 782, N.J. (ex *Orgyia*); Coquillett, 1897: 22, 26, D.C. (as *W. 4-pustulata* ex *Orgyia*); Howard, 1897b: 7, 44, D.C. (ex *Orgyia*).

Stilpnotia salicis (Linnaeus)

Burgess and Crossman, 1927: 14, New England.

Tussock moth(-s)

Johnson, 1925: 203, Conn., Maine, Mass., N.H., R.I., Vt.

Noctuidae

Alypia octomaculata (Fabricius)

Essig, 1926: 584; Webber and Schaffner, 1926: 22, New England; Allen, 1925: 6, figs. 2-7; Lochhead, 1919: 184 (as *W. 4-pustulata*); Lowry, Q. S., 1917: 48, Conn.; Lowry, Q. S., 1917a: 122, Conn.; Coquillett, 1897: 21, 23, N.Y. (as *W. 4-pustulata*).

Amathes c-nigrum (Linnaeus)

Most records ex *Agrotis c-nigrum*.

Franklin, 1950: 57 (ex *Amathes*); *Crumb, 1929: 40, 140 (Franklin and Lacroix, 1924); Franklin and Lacroix, 1924: 407-408, Mass.

Caenurgina erechtea (Cramer)

Smith, R. C., 1924: 318, Kans. (ex "*Caenurgia*").

Cucullia convexipennis Grote and Robinson

Tothill, 1913: 75, Ont.

Euxoa ochrogaster (Guenée)

Strickland, 1938: 217, Alta. (ex redbacked cutworm).

Faronta diffusa (Walker)

Most records ex *Meliana albilinea* (Hübner).

Allen, 1925: 6, figs. 2-7; Webster, R. L., 1911: 181, Iowa; Ainslie, 1910: 92, N. Mex. (ex *Heliophila*).

Feltia ducens Walker-*subgothica* (Haworth) complex

Crumb, 1929: 40, 68.

Feltia herilis (Grote)

Allen, 1925: 6, figs. 2-7; Coquillett, 1897: 21, 25, Mo. (as *W. 4-pustulata*).

Heliothis zea (Boddie)

Most records ex *Heliothis obsoleta* (Fabricius).

Bosch and Hagen, 1966: 25, Calif. (ex *H. zea*); Fattig, 1949: 35-36 (ex *H. armigera* (Hübner)); Winburn and Painter, 1932: 5, 19, Kans.; Phillips and Barber, 1931: 11-12, E. U.S.; Essig, 1926: 584; Allen, 1925: 5-6, 10, 29, figs. 2-7, Miss.; Luginbill and Beyer, 1921: 13 (ex corn earworm); Quaintance and Brues, 1905: 123-124, Tex. (as *W. 4-pustulata*).

Leucania latiuscula Herrich-Schaeffer probably
Wolcott, 1951a: 481, P.R. (ex *Cirphis*).

Lithophane antennata (Walker)

All records ex *Xylina antennata*.

Felt, 1912: 49-50, N.Y.; Felt, 1898: 211, N.Y. (as *W. 4-pustulata*).

Papaipema nebris (Guenée)

Decker, 1931: 344, Iowa (as "*Winthema*").

Peridroma saucia (Hübner)

Crumb, 1929: 40, 114-115 (ex *Lycophotia*); Essig, 1926: 584, Oreg. (ex *Lycophotia margaritosa* (Haworth)); Allen, 1925: 6, 9-10, 24, 29, figs. 2-9, Miss. (ex *Lycophotia margaritosa*); Cook, 1912: 273, fig. 118, Calif. (as *W. "4-postulata"*); Chittenden, 1901a: 62 (as *W. 4-pustulata*); Coquillett, 1897: 22, 26 (as *W. 4-pustulata*).

Plathypena scabra (Fabricius)

Webber and Schaffner, 1926: 22, New England.

Platysenta sutor (Guenée)

All records ex *Perigea sutor*.

Allen, 1925: 6, figs. 2-7; Brimley, 1922: 26, N.C. (ex "*Perigaea*").

Platysenta videns (Guenée)

Seifert, 1901: 13, N.Y.

Pseudaletia unipuncta (Haworth)

Anon., 1969b: 637, Wis.; Anon., 1966a: 92, Mich.; Anon., 1965a: 402, Wis.; Guyer et al., 1965: 670, Mich.; Anon., 1964b: 779, Wis. (incomplete rearing — egg, larva); Anon., 1959: 241-242, Wis.; Anon., 1958e: 648, Wis.; Franklin, 1950: 57-58 (ex *Cirphis*); Walton and Packard, 1940: 7, U.S. (ex *Cirphis*); Luginbill, 1928: 78 (ex true armyworm); Poos, 1928: 146, Va. (ex *Cirphis*); Essig, 1926: 584, Oreg. (ex *Cirphis*); Webber and Schaffner, 1926: 22, New England (ex *Cirphis*); King, V., and Barber, 1921: 487, Mo. (as *W. 4-pustulata* ex *Heliophila*, probable host); Severin, 1921: 6-7, S. Dak. (ex "*Cirphus*"); Lochhead, 1919: 190, fig. 129 (as *W.*

4-pustulata ex *Cirphis*); Felt, 1916: 37, N.Y. (ex *Heliophila*); Knight, 1916: 760-761, fig. 1 on pl. 40, N.Y. (ex *Leucania*); Walton, 1916: 9, fig. 2b (ex *Cirphis*); Baker, 1915: 86, Ont. (as *W. 4-pustulata* ex *Heliophila*); Britton, 1915a: 167, Conn. (ex *Heliophila*); Essig, 1915: 396, Calif. (as *W. 4-pustulata* ex *Cirphis*); Gibson, 1915: 13, N.S., Ont. (ex *Cirphis*); Sherman, 1915: 299-302, N.C. (as *W. 4-pustulata* ex *Heliophila*); Baldwin, 1914: 47, Ind. (ex *Leucania*); Sanderson, 1913: 117-118, fig. 87c-87d (as *W. 4-pustulata* ex *Leucania*); Felt, 1912: 49-50, N.Y. (ex *Heliophila*); Johnson, 1910: 782, N.J. (ex *Leucania*); Metcalf, 1908: 354-355, S.C. (ex *Heliophila*); Webster, 1908: 247, fig. 25 (ex *Heliophila*); Felt, 1906: 65, N.Y. (ex *Heliophila* "*unipunctata*"); Washburn, 1906: 61, fig. 51c-51d, Minn. (ex *Leucania* "*unipunctata*"); Kellogg, 1905: 347, fig. 493c-493d (as *W. "4-pustulata"* ex *Leucania*); Coquillett, 1897: 22, 26, Mass., N.Y., Pa., Va. (as *W. 4-pustulata* ex *Leucania*); Howard, 1897b: 44, D.C. (ex *Leucania*); Lintner, 1897: 210, 310, 353-354, N.Y. (as *W. 4-pustulata* ex *Leucania*).

Schinia brevis (Grote)

Bird, H., 1923: 199 (ex *Lygranthoecia*).

Spodoptera dolichos (Fabricius)

Crumb, 1929: 40, 148 (ex *Prodenia*).

Spodoptera eridania (Cramer)

All records ex *Prodenia eridania*.

Patton, 1958: 85, Fla.; *Crumb, 1929: 40, 145 (Chittenden and Russell, 1909); Allen, 1925: 6, 10, 24, 26, 28-29, figs. 2-7, Miss.; Chittenden and Russell, 1909: 63, Fla.

Spodoptera frugiperda (J. E. Smith)

Most records ex *Laphygma frugiperda*.

Franklin, 1950: 57; Luginbill, 1950: 6-7, U.S.; Smith, R.C., 1943: 376, fig. 409, Kans. (ex fall armyworm, incomplete rearing — egg); Luginbill, 1928: 78-80, S.C.; Allen, 1925: 6, 10, 24, 29, figs. 2-7, Miss.; Smith, R. C., 1921: 304-305, Kans.; Walton and Luginbill, 1916: 10-11; Britton, 1913: 286, Conn.; Walton, 1913b: 25, D.C.; Walton, 1913c: 129-130, D.C.; Chittenden, 1901a: 35, fig. 5, Ill., Mass., Md.; Chittenden, 1900: 84 (as *W. "quadripunctata"*); Coquillett, 1897: 22, 25 (as *W. 4-pustulata*); Howard, 1897b: 44, D.C.

Spodoptera ornithogalli (Guenée)

All records ex *Prodenia ornithogalli*.

Crumb, 1929: 40, 155-156; Allen, 1925: 6, figs. 2-7.

Trichoplusia ni (Hübner)

Bosch and Hagen, 1966: 25, Calif.; Allen, 1925: 7-8, figs. 2-7
(ex *Autographa brassicae* Riley).

Xylena nupera (Lintner)

Franklin, 1950: 57, fig. 3B.

Armyworm(-s)

Fattig, 1949: 36; Smith, R. C., 1943: 376, Kans.; Johnson, 1925: 203, Conn., Maine, Mass., N.H., R.I., Vt.; Essig, 1913: 160-161, fig. 142, [Calif.] (as *W. 4-pustulata*); Garman, 1908: 435-436, Ky. (as *W. 4-pustulata*); Washburn, 1905: 156, fig. 150c-150d, Minn. (as *W. "pustulata"*); Howard, 1897b: 51, D.C. (as *W. 4-pustulata*); Riley, 1875: 179 (as red-tailed Tachina fly, incomplete rearing — egg).

Cutworm(-s)

Fattig, 1949: 36; Smith, R. C., 1943: 376, Kans.; Allen, 1925: 8, 25, 27, figs. 2-9; Lochhead, 1919: 185 (as *W. 4-pustulata*); Gibson, 1915a: 11, fig. 7, E. Canada; Essig, 1913: 160-161, fig. 142, [Calif.] (as *W. 4-pustulata*); Howard, 1897b: 44, D.C.

Cutworm(-s) and related Noctuidae

Allen, 1924: 24, Miss.

Unidentified Noctuidae

Wolcott, 1924: 223, P.R. (as *W. "quadripustutata"* ex noctuid on sugarcane).

Notodontidae

Datana ministra (Drury)

Essig, 1926: 584; Allen, 1925: 7, figs. 2-7; Smith, J. B., 1910: 146 (as *W. IV-pustulata*); Coquillett, 1897: 21, 24 (as *W. 4-pustulata*).

Heterocampa guttivitta (Walker)

Collins, 1926: 693, 695, Mass.

Schizura concinna (J. E. Smith)

Webber and Schaffner, 1926: 19, New England.

Olethreutidae

Spilonota ocellana (Denis and Schiffermüller)

Porter, 1924: 16, Conn.

Pyralidae

Loxostege similalis (Guenée)

Smith, R. C., and Franklin, 1954: 31, Kans.

Saturniidae

Antheraea polyphemus (Cramer)

Most records ex *Telea polyphemus*.

Collins, M. M., and Weast, 1961: 94 (ex *Antheraea*); Essig, 1926: 584; Allen, 1925: 6, figs. 2-7; Johnson, 1910: 782, N.J.; Coquillett, 1897: 22, 27, D.C. (as *W. 4-pustulata*).

Callosamia promethea (Drury)

Howard, 1897b: 44, D.C. (ex *Attacus*).

Platysamia cecropia (Linnaeus)

Collins, M. M., and Weast, 1961: 94 (ex *Hyalophora*); Allen, 1925: 6, figs. 2-7 (ex *Samia*); Watson, 1921: 233-234, N.Y. (ex *Samia*); Johnson, 1910: 782, N.J. (ex *Attacus*); Coquillett, 1897: 21, 24, Mo. (as *W. 4-pustulata* ex *Attacus*).

Sphingidae

Hemaris diffinis (Boisduval)

Allen, 1925: 7, figs. 2-7 (ex *Haemorrhagia*).

Hyles lineata (Fabricius)

All records ex *Celerio lineata*.

Essig, 1926: 584; Allen, 1925: 7, figs. 2-7.

Manduca quinquemaculata (Haworth)

Most records ex *Protoparce quinquemaculata*.

Gilmore, 1938: 710-711, Ky. and/or Tenn.; Hefley, 1928: 213-221; Hefley, 1926: 77-80, Okla. (as *W. "4-pustulata"*); Allen, 1925: 7, figs. 2-7; Johnson, 1910: 782, N.J. (ex *P. celeus* Hübner); Coquillett, 1897: 22, 26, Mo. (as *W. 4-pustulata* ex *P. celeus*).

Manduca sexta (Linnaeus)

Most records ex *Protoparce sexta*.

Gilmore, 1938: 710-711, Ky. and/or Tenn.; Essig, 1926: 584; Garman, 1897: 29 (as *W. 4-pustulata* ex *Phlegthontius carolina* (Linnaeus)).

Pachysphinx modesta (Harris)

Fletcher, 1904: 99, Ont. (ex *Marumba*).

Pholus achemon (Drury)

Tothill, 1913: 75, Ont.

Sphinx gordius Cramer probably

Aldrich, 1932: 2, N.H.

Unidentified Sphingidae

Howard, 1897b: 44, D.C.

Unidentified Lepidoptera

Miscellaneous

Aldrich, 1915: 82.

STAGE PARASITIZED: Larva (Coleoptera, Hymenoptera, Lepidoptera), pupa (Lepidoptera).

IMMATURES: Egg — Franklin, 1950: (fig. 3B); Smith, R. C., 1943: (fig. 409); Allen, 1925: (descr., figs. 2, 8); Lochhead, 1919: (fig. 129); Felt, 1916: (descr.); Walton, 1916: (fig. 2b); Gibson, 1915: (fig. 7); Essig, 1913: (fig. 142); Sanderson, 1913: (fig. 87c-87d); Cook, 1912: (fig. 118); Garman, 1908: (descr.); Webster, 1908: (fig. 25); Felt, 1906: (descr.); Washburn, 1906: (fig. 51c-51d); Kellogg, 1905: (fig. 493c-493d); Quaintance and Brues, 1905: (descr.); Washburn, 1905: (fig. 150c-150d); Chittenden, 1901a: (fig. 5); Riley, 1875: (descr.).

Larva — Chittenden, 1901a: (fig. 5).

First instar larva — Hefley, 1926: (descr.); Allen, 1925: (descr., fig. 3).

Second instar larva — Allen, 1925: (descr., figs. 4, 9).

Third instar larva — Hefley, 1926: (descr.); Allen, 1925: (descr., figs. 5-6); Webster, 1908: (fig. 25).

Pupa — Allen, 1925: (descr., fig. 7); Greene, 1922: (descr., fig. 95 on pl. 20); Knight, 1916: (fig. 1 on pl. 40); Webster, 1908: (fig. 25); Chittenden, 1901a: (fig. 5).

BIOLOGY: Smith, R. C., and Franklin, 1954: (31); Franklin, 1950: (57-58); Luginbill, 1950: (6-7); Walton and Packard, 1940: (7); Decker, 1931: (344); Phillips and Barber, 1931: (11-12); Hefley, 1928: (213-221); Luginbill, 1928: (78-80); Hefley, 1926: (77-80); Allen, 1925: (1-32); Luginbill and Beyer, 1921: (13); Watson, 1921: (233-234); Knight, 1916: (760-761); Walton, 1916: (9); Walton and Luginbill, 1916: (10-11); Baker, 1915: (86); Gibson, 1915: (13); Walton, 1913c: (129-130); Felt, 1906: (65); Quaintance and Brues, 1905: (123-124); Chittenden, 1901a: (35); Chittenden, 1900: (84); Howard, 1897b: (7, 44); Lintner, 1897: (210, 310, 353-354); Riley, 1875: (179).

Winthemia quadripustulata (Fabricius) probably

HOST: LEPIDOPTERA

Noctuidae

Ceramica picta (Harris)

Schaffner and Griswold, 1934: 47, 123.

Epiglaea apiata (Grote)

Schaffner and Griswold, 1934: 50, 122, Mass.

Pseudaletia unipuncta (Haworth)

Dillier and Seibels, 1965: 457, Ala. (incomplete rearing — egg); Thompson, R. W., 1944: 30, Ont. (ex *Cirphis*).

Nymphalidae

Nymphalis milberti (Godart)

Schaffner and Griswold, 1934: 11, 122 (ex *Hamadryas*).

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner and Griswold, 1934: (122).

Winthemia "quadripustulata," see *Winthemia quadripustulata*

Winthemia "rufopecta," see *Winthemia rufopicta*

Winthemia rufopicta (Bigot)

HOST: LEPIDOPTERA

Geometridae

Alsophila pometaria (Harris)

Schaffner and Griswold, 1934: 90, 123.

Cankerworm(-s)

Decker, 1935: 570, Iowa.

Lasiocampidae

Tent caterpillar(-s)

LeRoux, 1961: 114, Que.

Noctuidae

Alypia octomaculata (Fabricius)

Schaffner and Griswold, 1934: 41, 123.

Anticarsia gemmatilis Hübner

Hinds and Osterberger, 1931: 1172, La. (ex *A.* "gemmatilis").

Ceramica picta (Harris)

Schaffner and Griswold, 1934: 47, 123.

Cucullia convexipennis Grote and Robinson

Schaffner and Griswold, 1934: 48, 123.

Heliothis zea (Boddie)

Bottrell, Young, Price and Adams, 1968: 1054, Okla.

Heliothis spp.

Bottrell, Young, Price and Adams, 1968: 1054, Okla.

Lithophane antennata (Walker)

Schaffner and Griswold, 1934: 49, 123 (ex *Graptolitha*).

Lithophane spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)

Schaffner and Griswold, 1934: 48, 123 (ex *Graptolitha* (including *G. disposita*, *G. innominata* and/or *G. petulca*)).

Luperina stipata (Morrison)

Decker, 1935: 569-570, 578, Iowa.

Oligia fractilinea (Grote)

Decker, 1935: 569-570, 578, Iowa.

Papaipema cataphracta (Grote)

Decker, 1935: 569-570, 578, Iowa.

Papaipema nebris (Guenée)

Decker, 1935: 569-570, 578, Iowa; Reinhard, 1931: 32, Iowa.

Peridroma saucia (Hübner)

Anon., 1969: 59, Okla.; Montgomery, 1933: 186, Ind. (ex *Lycophotia*).

Platysenta sutor (Guenée)

Brimley, 1938: 364, N.C. (ex "*Perigaea*").

Pseudaletia unipuncta (Haworth)

Burrell, 1967: 114, La.; Guppy, J. C., 1967: 97, 99, 102-103, Ont.; Pond, 1960: 665, N.B.; Breeland, 1958: 321, 323-325, 331-332, figs. 23-24, Tenn.; Fattig, 1949: 36, Ga. (ex *Cirphis*); Beaulne, 1939: 120, Que. (as *W. "rufopecta"* ex *Leucania*); Beaulne, 1939a: 95, Que. (as *W. "rufopecta"* ex *Leucania*); Schaffner and Griswold, 1934: 47, 123 (ex *Cirphis*).

Spaelotis clandestina (Harris)

LeRoux, 1961: 115, Que.

Spodoptera eridania (Cramer)

Patton, 1958: 85, Fla. (ex *Prodenia*).

Spodoptera frugiperda (J. E. Smith)

Most records ex *Laphygma frugiperda*.

Patton, 1958: 85, Fla.; Hofmaster and Greenwood, 1949: 505, Va.; Brimley, 1938: 364, N.C. (ex fall army worm).

Spodoptera ornithogalli (Guenée)

Bottrell, 1969: 251, Okla. (ex *Prodenia*).

Trichoplusia ni (Hübner)

Schaffner and Griswold, 1934: 69, 123 (ex *Autographa brassicae* Riley).

Xylena nupera (Lintner)

Schaffner and Griswold, 1934: 50, 123, Mass.

Armyworm(-s)

Brimley, 1938: 364, N.C.; Reinhard, 1931: 33.

Noctuid spp. (including *Mamestra configurata* Walker and/or *Peridroma saucia* (Hübner))

Anon., 1962: 121, B.C.; Handford, 1962: 19, B.C.

Noctuid spp. (including *Heliothis zea* (Boddie), *Prodenia dolichos* (Fabricius), *Spodoptera eridania* (Cramer), *S. frugiperda* (J. E. Smith) and/or *S. ornithogalli* (Guenée))

Patton, 1958: 85, Fla. (ex *P. eridania*, *P. ornithogalli*, *P. dolichos*, *H. armigera* (Hübner) and/or *Laphygma frugiperda*).

Sphingidae

Hemaris diffinis (Boisduval)

*Brauer and Bergenstamm, 1895: 553, 594, N. Amer. (as *Exorista ciliata* Townsend, Townsend, 1893); Townsend, 1893: 467, Ill. (as *Exorista ciliata*).

Unidentified Sphingidae

Schaffner and Griswold, 1934: 26, 123.

STAGE PARASITIZED: Larva.

IMMATURES: Third instar larva — Breeland, 1958: (fig. 24).

Pupa — Breeland, 1958: (fig. 23).

BIOLOGY: Guppy, J. C., 1967: (97, 99, 102-103); Patton, 1958: (85); Schaffner and Griswold, 1934: (123); Hinds and Osterberger, 1931: (1172).

Winthemia rufopicta (Bigot) probably

HOST: LEPIDOPTERA

Noctuidae

Amathes c-nigrum (Linnaeus)

Schaffner and Griswold, 1934: 42-43, 123 (ex *Agrotis*).

Amphipyra pyramidoides Guenée

Schaffner and Griswold, 1934: 52, 123.

Epiglaea apiata (Grote)

Schaffner and Griswold, 1934: 50, 123, Mass.

Notodontidae

Heterocampa guttivitta (Walker)

Schaffner and Griswold, 1934: 79-80, 123.

Winthemia sinuata Reinhard

HOST: LEPIDOPTERA

Geometridae

Cingilia catenaria (Cramer) probably

Reinhard, 1931: 26, Maine (ex *C. latenaria* Drury).

Erannis tiliaria (Harris)

Schaffner and Griswold, 1934: 97-98, 122.

Hesperiidae

Thymelicus lineola (Ochsenheimer)

Arthur, 1962: 1085-1086, Ont.

Lasiocampidae

Tolype laricis (Fitch)

Raizenne, 1952: 100, Ont.

Noctuidae

Luperina stipata (Morrison)

*Vide Reinhard, 1931: 26-27, Iowa (Decker, 1930); Decker, 1930: 159, Iowa (as *W. quadripustulata* (Fabricius)).

Plathypena scabra (Fabricius)

Whiteside, Burbutis and Kelsey, 1967: 326-328, fig. 3, Del.;

Schaffner and Griswold, 1934: 71-72, 122, Mass.

Spodoptera frugiperda (J. E. Smith)

Fattig, 1949: 36, Ga. (ex "*Laphygma*").

Notodontidae

Schizura unicornis (J. E. Smith)

Raizenne, 1952: 91, Ont.

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Schaffner and Griswold, 1934: (122); Decker, 1930: (159).

Winthemia sinuata Reinhard probably

HOST: LEPIDOPTERA

Geometridae

Cingilia catenaria (Cramer)

Schaffner and Griswold, 1934: 98, 122.

Unidentified Geometridae

Schaffner and Griswold, 1934: 102, 122.

Noctuidae

Calpe canadensis Bethune

Schaffner and Griswold, 1934: 70-71, 122, Mass.

Nymphalidae

Nymphalis antiopa (Linnaeus)

Schaffner and Griswold, 1934: 11, 122 (ex *Hamadryas*).

Winthemia tricolor (Wulp)

HOST: LEPIDOPTERA

Saturniidae

Samia cynthia (Drury)

Reinhard, 1931: 44, Panama (ex *Arsenura erythrinae* Fabricius).

Winthemia venusta (Meigen) probably

HOST: LEPIDOPTERA

Geometridae

Lambdina fiscellaria lugubrosa (Hulst)

Anon., 1946a: 336, B.C. (as *W. cilitibia* (Rondani) probably).

Winthemia spp. (including *W. leucanae* probably or *W. militaris*)

HOST: LEPIDOPTERA

Noctuidae

Pseudaletia unipuncta (Haworth)

Dearness, 1898: 15, fig. 4, Ont. (as red-tailed Tachina or possibly *Nemoraëa "leucaniae"* ex *Leucania*).

STAGE PARASITIZED: Larva.

IMMATURES: Egg — Dearness, 1898: (fig. 4).

Third instar larva — Dearness, 1898: (fig. 4).

Pupa — Dearness, 1898: (fig. 4).

Winthemia spp. (including *W. quadripustulata* or allied sp.: *W. datanae*, *W. sinuata* or *W. vesiculata*)

HOST: COLEOPTERA

Chrysomelidae

Leptinotarsa decemlineata (Say)

Feytaud, 1937: 65 (incomplete rearing — egg).

STAGE PARASITIZED: Larva.

BIOLOGY: Feytaud, 1937: (65).

Winthemia "4-postulata," 4-pustulata, "4-pustuluta," or IV-pustulata, see *Winthemia quadripustulata*

Winthemia spp.

HOST: LEPIDOPTERA

Arctiidae

Hyphantria cunea (Drury)

Schaffner and Griswold, 1934: 37, 123 (incomplete rearing — pupa).

Geometridae

Lambdina fiscellaria (Guenée)

Schaffner and Griswold, 1934: 99, 123 (ex *Ellopi*a, incomplete rearing — pupa).

Megalopygidae

Megalopyge opercularis (J. E. Smith)

Snyder, 1936: 423, La.

Noctuidae

Catocala antinympha (Hübner)

Schaffner and Griswold, 1934: 64, 123 (incomplete rearing — pupa).

Catocala minuta Edwards

Schaffner and Griswold, 1934: 66-67, 123, N.J. (incomplete rearing — pupa).

Heliothis zea (Boddie)

Lewis, W. J., and Brazzel, 1968: 674-675, Miss.

Pseudaletia unipuncta (Haworth)

Goble, 1965: 12, Ont.; Baker, 1938: 97-98, Ont. (ex *Leucania*, incomplete rearing — egg).

Spodoptera ornithogalli (Guenée)

Bottrell, 1969: 251, Okla. (ex *Prodenia*).

Cutworm(-s)

Shaw, 1947: 437, Mexico.

Notodontidae

Ichthyura inclusa Hübner

Schaffner and Griswold, 1934: 73, 123 (ex *Melalopha*, incomplete rearing — pupa).

Schizura spp.

All records ex "*Shizura*" sp.

*Procter, 1946: 431, Maine (Procter, 1938); Procter, 1938: 372, Maine.

Symmerista albifrons (J. E. Smith)

Schaffner and Griswold, 1934: 78, 123 (incomplete rearing — pupa).

Pieridae

Eucheira socialis Westwood

Shaw, 1947: 437, Mexico.

Saturniidae

Callosamia promethea (Drury)

Schaffner and Griswold, 1934: 27, 123 (incomplete rearing — pupa).

Hemileuca spp. (including *H. lucina* H. Edwards and/or *H. maia* (Drury))

Schaffner and Griswold, 1934: 29, 123 (incomplete rearing — pupa).

Platysamia cecropia (Linnaeus)

Schaffner and Griswold, 1934: 26-27, 123 (incomplete rearing — pupa).

Sphingidae

Manduca sexta (Linnaeus)

Lawson, 1959: 741, 744-745, N.C. (ex *Protoparce*).

Tortricidae

Choristoneura fumiferana (Clemens)

Tothill, 1923: 175-176, B.C., N.B. (ex spruce budworm).

STAGE PARASITIZED: Larva, pupa.

BIOLOGY: Baker, 1938: (97-98); Schaffner and Griswold, 1934: (123).

Winthemia spp. probably

HOST: LEPIDOPTERA

Noctuidae

Heliothis spp.

Tower, 1913: 13, probably Tenn.

STAGE PARASITIZED: Pupa.

Xanthoactia palloris, see *Actia palloris*

Xanthoepalpus Townsend (Tachininae: Juriniini)

Xanthoepalpus bicolor (Williston)

HOST: LEPIDOPTERA

Geometridae

Unidentified Geometridae

Anon., 1953c: 137, B.C.

STAGE PARASITIZED: Pupa.

Xanthoernestia sp., see *Xanthophyto* sp. probably

Xanthophyto Townsend (Tachininae: Ernestiini)

Xanthophyto labis (Coquillett)

HOST: LEPIDOPTERA

Aegeriidae

Vespamima pini (Kellicott)

Raizenne, 1952: 246, Ont. (ex *Parharmonia*).

Lasiocampidae

Malacosoma incurvum incurvum (H. Edwards)

Stehr and Cook, 1968: 280, 301, Ariz.

Olethreutidae

Sciaphila duplex (Walsingham)

McGregor, 1967: 1215.

STAGE PARASITIZED: Larva, pupa.

Xanthophyto spp.

HOST: LEPIDOPTERA

Geometridae

Sabulodes truxaliata (Guenée)

Tilden, 1951: 165, Calif. (ex *Prochoerodes*).

Oecophoridae

Depressaria pastinacella (Duponchel)

Schaffner, 1959: 39, 54, N.J., Vt. (as *Xanthoernestia* ex *D. heracliana* (Linnaeus)).

Pyralidae

Dioryctria amatella (Hulst)

Ebel, 1965: 628, Fla.

Tortricidae

Choristoneura fumiferana (Clemens)

Dowden, Buchanan and Carolin, 1948: 458 (ex *Archips*).

STAGE PARASITIZED: Larva.

BIOLOGY: Schaffner, 1959: (39, 54).

Xanthophyto sp. probably

HOST: LEPIDOPTERA

Geometridae

Ennomos subsignarius (Hübner)

Davis, R., 1961: 248, Ga. (as *Xanthoernestia*).

STAGE PARASITIZED: Larva, pupa.

Ypophaemyia malacosomae, see *Lespesia archippivora*

"*Zanillia*" *confinis*, see *Aplomya theclarum*

Zelia Robineau-Desvoidy (Dexiinae: Zeliini)

"*Zelia* sp. near *genuina* Wulp"

IMMATURES: Pupa — Greene, 1922: (descr., fig. 87 on pl. 18).

Zelia vertebrata (Say)

HOST: COLEOPTERA

Cerambycidae

Unidentified Cerambycidae

Brauer and Bergenstamm, 1895: 551, 586, N. Amer. (as (*Dexia*) ex larva on chestnut).

Passalidae

Popilius disjunctus (Illiger)

Most records ex *Passalus cornutus* Fabricius.

Patton, 1958: 85, Fla.; Fattig, 1949: 37; Gray, 1946: 740-741, N.C. (ex *P. disjunctus*); Mangrum, 1942: 73-75, pl. 1.

Scarabaeidae

Osmoderma eremicola Knoch

Stevenson, 1903: 58, Que.

Tenebrionidae

Meracantha contracta (Palisot de Beauvois)

Hyslop, 1916: 24-25, Md.

STAGE PARASITIZED: Larva, pupa.

IMMATURES: First instar larva — Mangrum, 1942: (descr.).

Third instar larva — Mangrum, 1942: (descr., pl. 1).

Pupa — Mangrum, 1942: (descr., pl. 1); Greene, 1922: (descr., fig. 10 on pl. 2).

BIOLOGY: Gray, 1946: (740-741).

"Zenilla" *blanda*, see *Eusisyropa blanda*

"Zenilla" *caesar*, see *Aplomya caesar*

Zenillia Robineau-Desvoidy (Goniinae: Eryciini)

Zenillia affinis, see *Hubneria estigmenensis*

Zenillia amplexa, see *Carcelia amplexa*

Zenillia autographae, see *Eusisyropa autographae*

Zenillia blanda, see *Eusisyropa blanda*

Zenillia blanda blanda, see *Eusisyropa autographae*, *Eusisyropa blanda*, *Eusisyropa boarmiae* or *Eusisyropa virilis*

Zenillia blanda virilis, see *Eusisyropa virilis*

Zenillia blandita (Coquillett)

HOST: LEPIDOPTERA

Noctuidae

Nycteola spp. (including *N. cinereana* Neumoegen and Dyar, *N. columbiana* H. Edwards and/or *N. frigidana* Walker)

All records ex *Sarrothripus revayanus* (Scopoli).

*Sellers, 1943: 18 (Aldrich and Webber, 1924); Aldrich and Webber, 1924: 41, D.C.

Zenillia boarmiae, see *Eusisyropa boarmiae*

- Zenillia caesar*, see *Aplomya caesar*
Zenillia ceratomiae, see *Hyphantrophaga hyphantriae*
Zenillia "ceratomyiae," see *Hyphantrophaga hyphantriae*
Zenillia cheloniae, see *Carcelia malacosomae* probably
Zenillia coerulea, see *Aplomya epicydes*
Zenillia confinis, see *Aplomya theclarum*
Zenillia dawsoni, see *Chrysoexorista dawsoni*
Zenillia desmiae, see *Hyphantrophaga desmiae*
Zenillia distincta, see *Drino rhoeo*
Zenillia euchaetiae, see *Hyphantrophaga euchaetiae*
Zenillia eudryae, see *Sisyropa alypiae* probably or *Sisyropa eudryae*
Zenillia formosa, see *Carcelia formosa*
Zenillia futilis, see *Euexorista futilis*
Zenillia griseomicans, see *Carcelia amplexa*
Zenillia helvina, see *Aplomya helvina*
Zenillia hyphantriae, see *Hyphantrophaga hyphantriae*
Zenillia inca, see *Drino inca*
Zenillia libatrix (Panzer)
HOST: LEPIDOPTERA

Arctiidae

Euchaetias egle (Drury)

Sellers, 1943: 10 (lab.); Dowden, 1934: 98, 109, figs. 1-4 (lab.).

Bombycidae

Bombyx mori Linnaeus

Sellers, 1943: 10 (lab.); Dowden, 1934: 98, 112, figs. 1-4 (lab.).

Lymantriidae

Euproctis chrysorrhoea (Linnaeus)

Howard and Fiske, 1911: 302-303.

Notodontidae

Ichthyura inclusa Hübner

All records ex *Melalopha inclusa*.

Sellers, 1943: 10 (lab.); Dowden, 1934: 98, 113, figs. 1-4 (lab.).

STAGE PARASITIZED: Pupa.

IMMATURES: Egg — Dowden, 1934: (descr., figs. 1, 4).

First instar larva — Dowden, 1934: (descr., fig. 1).

Second instar larva — Dowden, 1934: (descr., fig. 2).

Third instar larva — Dowden, 1934: (descr., fig. 3).

Pupa — Dowden, 1934: (descr., fig. 3).

BIOLOGY: Sellers, 1943: (10); Dowden, 1934: (98, 112-113);

Howard and Fiske, 1911: (302-303).

Zenillia lobeliae, see "*Exorista*" *lobeliae*

Zenillia sp. near *lobeliae*, see "*Exorista*" sp. near *lobeliae*

Zenillia marginata, see *Chrysoexorista marginata*

Zenillia mathesoni, see *Thelymyia mathesoni*

Zenillia protuberans, see *Carcelia malacosomae* or *Carcelia protuberans*

Zenillia reclinata, see *Carcelia reclinata*

Zenillia "rectinata," see *Carcelia reclinata*

Zenillia roseanae, see *Pseudoperichaeta insidiosa*

Zenillia trisetosa, see *Aplomya trisetosa*

Zenillia virilis, see *Eusisyropa virilis*

Zenillia vulgaris, see *Phryxe vulgaris*

Zenillia n. sp. (1), see *Sisyropa alypiae* or "*Zenillia*" spp.

Zenillia n. sp. (2), see *Carcelia olenensis*, *Carcelia perplexa* or *Carcelia yalensis*

Zenillia n. sp. (3), see *Aplomya cerurae*

Zenillia n. sp. (4), see *Carcelia diacrisiae* or "*Zenillia*" spp.

Zenillia n. sp. (5), see *Aplomya pheosiae*

"*Zenillia*" spp.

HOST: HYMENOPTERA

Diprionidae

Neodiprion lecontei (Fitch)

Benjamin, 1955: 21, Canada; Daviault, 1953: 181, Que.

HOST: LEPIDOPTERA

Arctiidae

Halisidota tessellaris (J. E. Smith)

Schaffner and Griswold, 1934: 34, 113-114 (as *Zenillia* n. sp. (4)).

Haploa lecontei Guérin-Méneville

Schaffner and Griswold, 1934: 40 (ex *H. lecontei* including form *militaris* Harris).

Megalopygidae

Megalopyge opercularis (J. E. Smith)

Brauer and Bergenstamm, 1895: 564, 595, N. Amer. (as "*Myxexorsita*" ex *Lagoa*).

Noctuidae

Acronicta betulae Riley

Brauer and Bergenstamm, 1895: 564, 580, N. Amer. (as *Myxexorista* ex *Acronycta*).

Acronicta furcifera Guenée

Schaffner and Griswold, 1934: 55-56 (ex *Acronycta*).

Acronicta longa Guenée

Schaffner and Griswold, 1934: 59, N.J. (ex *Acronycta*).

Acronicta sp.

Brauer and Bergenstamm, 1895: 564, 580, N. Amer. (as *Myxexorista* ex *Acronycta* sp. auf Eichen).

Psychomorpha epimenis (Drury)

Schaffner and Griswold, 1934: 63, 113, Mass. (as *Zenillia* n. sp. (1)).

Pyralidae

Acrobasis caryae Grote

Nickels, Pierce and Pinkney, 1950: 2, 19, Tex.

Ostrinia nubilalis (Hübner)

Bradley, W. G., and Clark, 1938: 651, Mass. (ex European corn borer).

Sphingidae

Unidentified Sphingidae

Schaffner and Griswold, 1934: 26.

STAGE PARASITIZED: Larva (Lepidoptera), pupa (Lepidoptera).

BIOLOGY: Schaffner and Griswold, 1934: (113).

Gen. and sp. near *Zenillia*

HOST: LEPIDOPTERA

Noctuidae

Unidentified Noctuidae

Schaffner and Griswold, 1934: 72, 114, N.J.

BIOLOGY: Schaffner and Griswold, 1934: (72, 114).

Zygobothria gilva, see *Drino bohémica* or *Drino inconspicua*

Zygobothria nidicola, see *Townsendiellomyia nidicola*

Zygosturmia inca, see *Drino inca*

Zygosturmia protoparcis, see *Drino rhoeo*

Zygosturmia sp., see *Drino* sp.

Tachinidae (including Larvaevoridae and tachina fly)

HOST: COLEOPTERA

Buprestidae

Buprestis aurulenta Linnaeus

Chamberlin, 1932: 834, fig. 52, Oreg. (incomplete rearing — egg).

Carabidae

Carabus sp.

Curran, 1934: 138, B.C.

Pterostichus lucublandus (Say)

Rivard, 1964: 919, Ont.

Pterostichus melanarius Illiger

Rivard, 1964: 919, Ont.

Cerambycidae

Enaphalodes atomarius (Drury)

Savely, 1939: 384, N.C. (ex *Romaleum*).

Monochamus scutellatus (Say)

Hopkins, A. D., 1893a: 239, W. Va. (ex "*Monohamus*").

Saperda obliqua Say

Felt and Joutel, 1904: 20, N.E. N. Amer.

Chrysomelidae

Acalymma vittata (Fabricius)

Headlee, 1908: 207-209, N.H. (ex *Diabrotica*).

Altica probata Fall

Moznette, 1917: 16, Oreg. (ex *Haltica*).

Chrysomela scripta Fabricius

Knab, 1909: 35 (ex *Lina*, incomplete rearing — egg).

Diabrotica undecimpunctata Mannerheim

Garman, 1891: 80 (ex *D. 12-punctata* Mannerheim).

Diabrotica undecimpunctata howardi Barber

Riley, 1891a: 108, S.E. U.S. (ex *D. 12-punctata*).

Diabrotica undecimpunctata undecimpunctata Mannerheim

All records ex *Diabrotica soror* LeConte.

Kellogg, 1905: 346, Calif. (as *Tachina*-fly [sp. 2]);

Coquillett, 1889a: 74, Calif.

Leptinotarsa decemlineata (Say)

Popenoe, 1909: 3, Va.

Physonota helianthi (Randall)

Caulfield, 1887: 75, Que.

Cleridae

Thanasimus dubius (Fabricius)

Hopkins, A. D., 1893: 150, W. Va. (as *Tachina* sp.);

*Hopkins, A. D., 1893a: 239, W. Va. (as undetermined sp. b, Hopkins, A. D., 1893).

Coccinellidae

Epilachna varivestis Mulsant

Howard, N.F., and Landis, 1936: 2, N. Mex.; Howard, N. F., and Landis, 1936: 2, 6, Ala., Ohio (incomplete rearing — egg); Becker, 1922: 107, Mexico (ex Mexican bean beetle); Chittenden and Marsh, 1920: 14, Colo. (ex *E. corrupta* Mulsant, incomplete rearing — egg).

Curculionidae

Conotrachelus elegans (Say)

Brauer and Bergenstamm, 1895: 560, 588, N. Amer. (as Macquartiidae N.G. or N.G. Macquartiidarum).

Rhodobaenus tredecimpunctatus (Illiger)

Lugger, 1888: 50 (ex *R. 13-punctatus*, incomplete rearing — egg).

Sphenophorus incurrens Gyllenhal

Muir, 1923: 12, Mexico.

Scarabaeidae

Phyllophaga fusca (Frölich)

All records ex *Lachnosterna fusca*.

Howard, 1899: 198-199, N.Y. (incomplete rearing — egg);

Riley, 1891: 134.

Phyllophaga inversa (Horn)

Howard, 1899: 199, D.C. (ex *Lachnosterna*, probable host).

Phyllophaga spp.

All records ex *Lachnosterna* spp.

Wolcott, 1922: 15, Ill.; Howard, 1904: 98; Howard, 1899: 199.

May beetle(-s)

Forbes, S. A., 1907: 475, Ill.

Tenebrionidae

Eleodes opacus (Say)

Bruner, 1892: 12, Nebr. (incomplete rearing — egg).

Eleodes tricolorata (Say)

Bruner, 1892: 12, Nebr. (incomplete rearing — egg).

HOST: DERMAPTERA

Carcinophoridae

Anisolabis maritima (Géné) probably

Spencer, 1926: 66, B.C. (incomplete rearing — larva).

HOST: DIPTERA

Cecidomyiidae

Rhabdophaga salicisbrassicoides (Packard)

Walsh, 1864: 633, Ill. (as robust blackish tachinid ex gall of *Cecidomyia* "*salicis brassicoides*").

Tabanidae

Hybomitra lasiophthalma (Macquart)

Philip, 1931: 68, Minn. (ex *Tabanus*, incomplete rearing — larva).

Unidentified Tabanidae

Segal, 1936: 55.

Tipulidae

Tipula simplex Doane

Carnes and Newcomer, 1912: 279, Calif.

HOST: HEMIPTERA (HETEROPTERA)

Coreidae

Anasa tristis (De Geer)

Packard and Putman, 1875: 519 (ex *Coreus*).

Pentatomidae

Nezara viridula (Linnaeus)

Drake, 1918: 91.

Plant bug(-s)

Bratley, 1938: 14, Fla.

Rhopalidae

Liorhyssus hyalinus (Fabricius)

All records ex *Corizus hyalinus*.

Swezey, 1921: 467, Hawaii; Bridwell, 1920: 339-340, Hawaii.

HOST: HEMIPTERA (HOMOPTERA)

Cicadidae

Magicicada septendecim (Linnaeus)

Hyslop, 1936: 676 (probable host); Marlatt, 1907: 129 (ex *Tibicen*, probable host); Lintner, 1886: 178 (ex *Cicada*).

HOST: HYMENOPTERA

Argidae

Sphacophilus cellularis (Say)

Riley and Howard, 1888: 44, Miss. (ex *Schizocerus ebenus* Norton).

Cimbicidae

Cimbex americana Leach

Washburn, F. L., 1905: 158, Minn.; Cockerell, 1890: 76, Colo.; Riley and Howard, 1889: 164, Minn.

Diprionidae

Diprion similis (Hartig)

All records ex *Diprion* "simile."

Hartley, 1923: 387, Pa.; Britton, 1916: 282, Conn. (incomplete rearing — egg).

Tenthredinidae

Nematus ribesii (Scopoli)

Riley, 1877: 17 (ex *N. ventricosus* Klug).

Tethida cordigera (Palisot de Beauvois)

Osborne, 1884: 151, Iowa (ex *Selandria barda* Say).

HOST: LEPIDOPTERA

Arctiidae

Cycnia tenera Hübner

Schaffner and Griswold, 1934: 32 (incomplete rearing — pupa).

Diacrisia virginica (Fabricius)

Most records ex *Spilosoma virginica*.

Schaffner and Griswold, 1934: 36 (ex *Diacrisia*, incomplete rearing — pupa); Maxson, 1920: 87, Colo. (ex *Diacrisia*); Dimmock and Ashmead, 1898: 149, Mass. (incomplete rearing — pupa); Riley, 1871: 69, Mo. (as *Muscadae* probably); Riley, 1870d: 273 (as *Muscadae* probably).

Estigmene acrea (Drury)

Hills and Taylor, 1952: 126, Ariz.

Euchaetias egle (Drury)

Schaffner and Griswold, 1934: 39 (incomplete rearing — pupa); Thompson, 1910: 290.

Halisidota caryae (Harris)

Schaffner and Griswold, 1934: 33 (incomplete rearing — pupa).

Halisidota maculata (Harris)

Schaffner and Griswold, 1934: 33-34 (incomplete rearing — pupa).

Halisidota tessellaris (J. E. Smith)

Schaffner and Griswold, 1934: 34 (incomplete rearing — pupa).

Hyphantria cunea (Drury)

Oliver, 1964: 316-317, La.; Swain, 1937a: 43, Colo. (ex fall webworm); Schaffner and Griswold, 1934: 37 (incomplete rearing — pupa); Packard, 1890: 256; Riley, 1887: 52-53.

Isia isabella (J. E. Smith)

Schaffner and Griswold, 1934: 36-37 (incomplete rearing — pupa).

Phragmatobia fuliginosa rubricosa (Harris)

Schaffner and Griswold, 1934: 35-36 (incomplete rearing — pupa).

Utetheisa ornatrix bella (Linnaeus)

Bratley, 1933: 77, Fla. (ex "*Utethesia*" *bella*).

Brassolidae

Brassolis isthmia Bates

Dunn, 1917: 484, Panama.

Citheroniidae

Anisota senatoria J. E. Smith

Schaffner and Griswold, 1934: 29-30 (incomplete rearing — pupa).

Anisota virginiensis (Drury)

Schaffner and Griswold, 1934: 30 (incomplete rearing — pupa).

Eacles imperialis (Drury)

Lintner, 1889: 324, N.Y. (incomplete rearing — pupa).

Ctenuchidae

Ctenucha virginica Charpentier

Schaffner and Griswold, 1934: 32 (incomplete rearing — pupa).

Danaiidae

Danaus plexippus plexippus (Linnaeus)

Arnaud, 1960a: 51, Calif. (incomplete rearing — larva); Schaffner and Griswold, 1934: 8 (ex *D. menippe* (Hübner), incomplete rearing — pupa); Weeks, 1890: 82 (ex *D. archippus* (Fabricius)); Anon., 1876: 15 (ex "*Danais*" *archippus*).

Dioptidae

Phryganidia californica Packard

Keen, 1958: 90, Calif.; Van Duzee, 1926: 180, Calif. (ex "*Phryganidea*").

Drepanidae

Drepana bilineata (Packard)

Aldrich, 1932: 1, Mass. (incomplete rearing — pupa).

Geometridae

Alsophila pometaria (Harris)

Schaffner and Griswold, 1934: 90 (incomplete rearing — pupa).

Cingilia catenaria (Cramer)

Schaffner and Griswold, 1934: 98 (incomplete rearing — pupa).

Coniodes plumogeraria Hulst

Coquillett, 1897a: 66, Calif. (ex *Boarmia* “*plumigeraria*”).

Deilinia erythemaria (Guenée)

Schaffner and Griswold, 1934: 93-94, Maine (ex *Cabera* “*erythemaria*,” incomplete rearing — pupa).

Ennomos subsignarius (Hübner)

Schaffner and Griswold, 1934: 99-100, Mass. (incomplete rearing — pupa).

Erannis tiliaria (Harris)

Schaffner and Griswold, 1934: 97-98 (incomplete rearing — pupa); Coquillett, 1882a: 25, 28-29, Ill. (ex *Hibernia*).

Eucaterva variaria (Grote)

Brauer and Bergenstamm, 1895: 575, 592.

Eulype hastata (Linnaeus)

Schaffner and Griswold, 1934: 92 (incomplete rearing — pupa).

Itame pustularia (Guenée)

Schaffner and Griswold, 1934: 93 (ex *Physostegania*, incomplete rearing — pupa).

Itame ribearia (Fitch)

Riley, 1877: 6, Mo. (ex *Eufitchia*).

Lambdina fiscellaria (Guenée)

Schaffner and Griswold, 1934: 99 (ex *Ellopiia*, incomplete rearing — pupa).

Nematocampa filamentaria Guenée

Schaffner and Griswold, 1934: 101 (ex *N. limbata* Haworth, incomplete rearing — pupa).

Nepytia phantasmaria (Strecker)

Wickman and Hunt, 1969: 1049, Calif.

Paleacrita vernata (Peck)

Riley, Packard and Thomas, 1883: 176, Mass.; Riley, 1870: 103, Mass. (ex *Anisopteryx*).

Phaeoura quernaria (J. E. Smith)

Schaffner and Griswold, 1934: 96 (ex *Nacophora*, incomplete rearing — pupa).

Phigalia titea (Cramer)

Schaffner and Griswold, 1934: 97 (incomplete rearing — pupa).

Sabulodes transversata (Drury)

Schaffner and Griswold, 1934: 101 (incomplete rearing — pupa).

Hepialidae

Hepialus pharus Druce

Williams, 1935: 297, Guatemala.

Hesperiidae

Cymaenes tripunctus (Herrich-Schaeffer)

Scaramuzza and Barry, 1960: 997, Cuba (ex *Lerodea tripuncta tripuncta*); Scaramuzza, 1951a: 300, Cuba (ex *Lerodea tripuncta*).

Epargyreus clarus (Cramer)

Schaffner and Griswold, 1934: 15 (ex *E. tityrus* (Fabricius), incomplete rearing — pupa).

Erynnis icelus (Scudder and Burgess)

Schaffner and Griswold, 1934: 15 (incomplete rearing — pupa).

Thymelicus lineola (Ochsenheimer)

Pengelly, 1961: 195, Ont.

Hesperiid spp. (including *Cymaenes tripunctus* (Herrich-Schaeffer), *Nyctelius nyctelius* (Latreille) and/or *Panoquina sylvicola* (Herrich-Schaeffer))

Scaramuzza, 1946: 549, Cuba (ex *Lerodea tripunctus*, *Prenes nyctelius coscinia* (Herrich-Schaeffer) and/or *Prenes nero sylvicola*).

Lasiocampidae

Epicnaptera americana (Harris)

Schaffner and Griswold, 1934: 89 (incomplete rearing — pupa).

Malacosoma americanum (Fabricius)

Most records ex *Clisiocampa americana*.

Britton, 1935a: 77, Conn. (ex *Malacosoma*); Felt, 1901: 1007, N.Y.; Bethune, 1871: 17, Ont.

Malacosoma californicum californicum (Packard)

Koebele, 1891: 43, Calif. (ex *Clisiocampa thoracica* Stretch).

Malacosoma constrictum (H. Edwards)

All records ex *Clisiocampa constricta*.

Coquillett, 1894: 30, Calif.; Koebele, 1891: 43, Calif.

Malacosoma disstria Hübner

Hodson, 1941: 39, 41, Minn. (incomplete rearing — ?); Balch and Simpson, 1935: 36, N.B.; Schaffner and Griswold, 1934: 89 (incomplete rearing — pupa); Felt, 1901: 997, N.Y. (ex *Clisiocampa*); Bethune, 1871: 17, Ont. (ex *Clisiocampa sylvatica* (Harris)); Walsh and Riley, 1869: 208, N.Y. (ex *Clisiocampa sylvatica*).

American tent caterpillar(-s)

Baird, 1917: 86-87, B.C.

Limaecodidae

Euclea delphinii Boisduval

Schaffner, 1959: 5, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — larva).

Limaecodes sp. probably

Lintner, 1889: 192.

Phobetron pithecium (J. E. Smith)

Schaffner, 1959: 6, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — larva); Schaffner and Griswold, 1934: 104 (incomplete rearing — pupa); Lintner, 1889: 192, N.Y.

Prolimaecodes badia (Hübner)

Schaffner, 1959: 6, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — pupa).

Sibine stimulea (Clemens)

Schaffner, 1959: 4, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — pupa); Schaffner and Griswold, 1934: 103 (incomplete rearing — pupa).

Lycaenidae

Brephidium exilis (Boisduval)

Coolidge, 1924: 116, Calif.

Plebejus icarioides (Boisduval)

Newcomer, 1912: 33, Calif. (ex *Lycaena fulla* Edwards).

Lymantriidae

Hemerocampa leucostigma (J. E. Smith)

Schaffner and Griswold, 1934: 85 (incomplete rearing — pupa); Dustan, 1923: 117-118, N.B.; Dustan, 1923: 115,

N.B. (incomplete rearing — larva); Woods, 1907: 297-298, Maine (ex *Notolophus*); Panton, 1897: 53, Ont. (ex *Orgyia*); Riley, 1887: 32 (ex *Orgyia*); Lintner, 1886: 79, N.Y. (ex *Orgyia*).

Hemerocampa pseudotsugata McDunnough

Keen, 1958: 92, N.W. U.S.

Orgyia antiqua (Linnaeus)

All records ex *Notolophus antiqua*.

Schaffner and Griswold, 1934: 84 (incomplete rearing — pupa); Woods, 1907: 297-298, Maine.

Orgyia sp.

Lintner, 1886: 79.

Porthetria dispar (Linnaeus)

Collins, 1932: 26, Mass. (ex gypsy moth); Hitchings, 1908: 12, Maine (ex "gypsy" caterpillars, incomplete rearing — egg); Henshaw, 1892: 81, Mass. (ex *Ocneria*).

Stilpnotia salicis (Linnaeus)

Keen, 1958: 93, U.S.

Tussock moth(-s)

Snodgrass, 1917: 174, 189, Ind.

Megalopygidae

Megalopyge crispata (Packard)

All records ex *Lagoa crispata*.

Schaffner, 1959: 7, [N.E. U.S.] (as *Larvaevoridae*, incomplete rearing — pupa); Dillon, 1944: 176, Pa.; Schaffner and Griswold, 1934: 105-106 (incomplete rearing — pupa).

Noctuidae

Acronicta furcifera Guenée

Schaffner and Griswold, 1934: 55-56 (ex *Acronycta*, incomplete rearing — pupa).

Acronicta impressa Walker

Schaffner and Griswold, 1934: 58-59 (ex *Acronycta*).

Acronicta lepusculina Guenée

Riley, 1870: 120 (ex *Acronycta populi* Riley, incomplete rearing — larva).

Acronicta superans Guenée

Schaffner and Griswold, 1934: 55 (ex *Acronycta*, incomplete rearing — pupa).

Actebia fennica (Tauscher)

Phipps, 1927: 212, fig. 29D, Maine (ex *Agrotis*, incomplete rearing — egg); Lugger, 1897: 21, Minn. (ex *Noctua*).

Agrotis dislocata (Walker)

Nakao, 1963: 535, Hawaii.

Alabama argillacea (Hübner)

Jones, R. W., 1885: 19-20, Miss. (ex *Aletia xyli* (Say)).

Aletia spp.

Hubbard, 1885: 16, Fla.

Alypia octomaculata (Fabricius)

Schaffner and Griswold, 1934: 41 (incomplete rearing — pupa).

Amphipyra pyramidoides Guenée

Schaffner and Griswold, 1934: 52 (incomplete rearing — pupa).

Calloplistria floridensis (Guenée)

Chittenden, 1913: 10, Fla. (ex *Eriopus*).

Catocala parta Guenée

Schaffner and Griswold, 1934: 65-66 (incomplete rearing — pupa).

Ceramica picta (Harris)

Schaffner and Griswold, 1934: 47 (incomplete rearing — pupa).

Chrysodeixis calcites (Esper)

All records ex *Plusia* "chalcites."

Williams, 1931: 142, Hawaii; Swezey, 1917: 428, Hawaii.

Cirphis spp.

Osborn, H. T., 1938: 150-151, Mexico (V.C.).

Cosmia canescens (Behr)

Schaffner and Griswold, 1934: 62 (incomplete rearing — pupa).

Crymodes devastator (Brace)

Schaffner and Griswold, 1934: 53-54 (ex *Sidemia*, incomplete rearing — pupa).

Cucullia convexipennis Grote and Robinson

Schaffner and Griswold, 1934: 49 (incomplete rearing — larva).

Epiglaea apiata (Grote)

Beckwith, 1930: 416, N.J.

Euparthenos nubilis (Hübner)

Schaffner and Griswold, 1934: 68 (incomplete rearing — pupa).

Eupsilia spp. (including *E. morrisoni* (Grote) and/or *E. sidus* (Guenée))

- Schaffner and Griswold, 1934: 50-51 (ex *Conistra* spp. (including *C. sidus* and/or *C. morrisoni*), incomplete rearing — pupa).
- Euthisanotia grata* (Fabricius)
Lugger, 1899: 71, Minn. (ex *Eudryas*).
- Euxoa auxiliaris* (Grote)
Manis, Gittins, Portman, Walz, Barr, Douglass, Evans, Smith and Davis, 1956: 78, Idaho (ex *Chorizagrotis*).
- Euxoa scandens* (Riley)
Hudson and Wood, 1929: 69-70, Ont.
- Faronta diffusa* (Walker)
Smith, J. B., 1893: 190, N.J. (ex *Leucania albilinea* (Hübner)).
- Heliothis zea* (Boddie)
Most records ex *Heliothis armigera* (Hübner).
Anon., 1965b: 1091, Okla. (ex *H. zea*); Mally, 1893: 26;
Mally, 1891: 28; Hubbard, 1885: 16, Fla.
- Heliothis* spp.
Jones, R. W., 1885: 19, Miss.
- Lithophane antennata* (Walker)
Schaffner and Griswold, 1934: 49 (ex *Graptolitha*, incomplete rearing — pupa).
- Lithophane* spp. (including *L. disposita* Morrison, *L. innominata* (Smith) and/or *L. petulca* Grote)
Schaffner and Griswold, 1934: 48 (ex *Graptolitha* spp. (including *G. disposita*, *G. innominata* and/or *G. petulca*), incomplete rearing — pupa).
- Mamestra configurata* Walker
King, K. M., 1928: 288, Sask. (ex *Barathra*).
- Nephelodes emmedonia* (Cramer)
Lintner, 1883: 109, N.Y. (ex *N. violans* Guenée, incomplete rearing — pupa); Lintner, 1883: 103, Mo. (ex *N. violans*, incomplete rearing — egg).
- Orthodes cynica* Guenée
Schaffner and Griswold, 1934: 45, Mass. (ex *Eriopyga*, incomplete rearing — larva).
- Papaipema nebris* (Guenée)
Felt, 1904: 190, 216, N.Y. (ex *P. nitela* (Guenée)).
- Parallelia bistriaris* Hübner
Schaffner and Griswold, 1934: 68 (incomplete rearing — pupa).
- Peridroma saucia* (Hübner)
Davis, J. J., 1912: 86 (ex *P. margaritosa* (Haworth));
Chittenden, 1901a: 62, B.C.; Doane and Brodie, 1901: 10, Wash. (incomplete rearing — larva).

Pseudaletia unipuncta (Haworth)

Breeland, 1958: 323, 325, Tenn. (as "*Larvaevorida*"); Handford, Painter and Moore, 1937: 159, Man. (ex armyworms); Poos, 1928: 148, Va. (ex *Cirphis*, incomplete rearing — egg); Webster, 1890: 45, Ind. (as *Tachinae* ex *Leucania*); Kirkpatrick, 1861: 355, Ohio (ex *Leucania extranea* Guenée).

Pyreferra hesperidago (Guenée)

Schaffner and Griswold, 1934: 51 (ex *Conistra indirecta* Walker, incomplete rearing — pupa).

Spodoptera dolichos (Fabricius)

Chittenden, 1901: 64 (ex *Prodenia commelinae* (J. E. Smith), incomplete rearing — egg).

Spodoptera eridania (Cramer)

Anon., 1928b: 40, Fla. (ex *Xylomyges*).

Spodoptera frugiperda (J. E. Smith)

Most records ex fall armyworm.

Richardson, 1959: 152, Mexico (V.C.); Arant, 1955: 994, Ala.; Forbes, S. A., and Hart, 1900: 498, Ill. (ex *Laphygma frugiperda*).

Spodoptera ornithogalli (Guenée)

Chittenden, 1901: 68, 70, Ga. (ex *Prodenia*, incomplete rearing — egg).

Trichoplusia ni (Hübner)

McKinney, 1944: 15, Ariz. (ex *Autographa brassicae* Riley).

Armyworm(-s)

Kellogg, 1905: 346, Ala. (as *Tachina*-fly [sp. 1]); Walsh, 1867a: 119.

Cutworm(-s)

Gillette, 1891: 259, Iowa.

Unidentified Noctuidae

Smith, M. E., 1958: 123, Mass. (incomplete rearing — larva); Walsh, 1867a: 119, Iowa (ex "Miller" moth of the group of owlet-moths, incomplete rearing — egg).

Notodontidae

Cerura cinerea (Walker)

Baker, C. F., 1910: 382, Calif. (ex *Harpyia*).

Dasylophia anguina (J. E. Smith)

Schaffner and Griswold, 1934: 78-79 (incomplete rearing — pupa).

Datana integerrima Grote and Robinson

Schaffner and Griswold, 1934: 76 (incomplete rearing — pupa); Harned, 1927: 27, Miss.; vide Dyar, 1891: 414,

[N.Y.] (incomplete rearing — egg, Wier, 1890); Wier, 1890: 27 (as *Tachina* fly ex *D. ministra* (Drury) hairy, black walnut form, incomplete rearing — egg).

Datana ministra (Drury)

Schaffner and Griswold, 1934: 74 (incomplete rearing — pupa); Girault, 1912: 399-400, Va.; Lugger, 1899: 107, Minn.; Dyar, 1891: 414, [N.Y.] (incomplete rearing — egg); Webster, 1890: 45 (as *Tachinae*); Webster, 1890a: 257, Ind.; Wier, 1890: 26-27 (as *Tachina* fly, incomplete rearing — egg).

Datana perspicua Grote and Robinson

Schaffner and Griswold, 1934: 75 (incomplete rearing — pupa); Dyar, 1891: 414, [N.Y.] (incomplete rearing — egg).

Datana spp.

Hooker, W. A., 1908: 156, Mass. (ex walnut *Datana*); Weeks, 1890: 82.

Heterocampa guttivitta (Walker)

Schaffner and Griswold, 1934: 79-80 (incomplete rearing — pupa).

Hyperaeschra stragula (Grote)

Schaffner and Griswold, 1934: 76-77 (incomplete rearing — pupa).

Ichthyura inclusa Hübner

Schaffner and Griswold, 1934: 73 (ex *Melalopha*, incomplete rearing — pupa).

Nadata gibbosa (J. E. Smith)

Schaffner and Griswold, 1934: 78 (incomplete rearing — pupa).

Schizura concinna (J. E. Smith)

Schaffner and Griswold, 1934: 81 (incomplete rearing — pupa).

Schizura ipomaeae Doubleday

Schaffner and Griswold, 1934: 80 (ex *S. "ipomoeae,"* incomplete rearing — pupa).

Schizura unicornis (J. E. Smith)

Schaffner and Griswold, 1934: 81-82 (incomplete rearing — pupa); Lugger, 1899: 114, Minn.

Symmerista albifrons (J. E. Smith)

Schaffner and Griswold, 1934: 78 (incomplete rearing — pupa).

Nymphalidae

Chlosyne harrisii (Scudder)

Schaffner and Griswold, 1934: 9 (ex *Lemonias*, incomplete rearing — larva).

Limenitis archippus (Cramer)

All records ex *Limenitis disippus* Godart.

Saunders, 1873: 56, Ont.; Riley, 1871: 157 (incomplete rearing — egg).

Nymphalis antiopa (Linnaeus)

Patch, 1906: 225, Maine (ex *Euvanessa*); Weed, 1899: 139, N.H. (ex *Vanessa*).

Nymphalis milberti (Godart)

Guppy, R., 1951: 69, B.C.; Schaffner and Griswold, 1934: 11 (ex *Hamadryas*, incomplete rearing — pupa).

Polygonia comma (Harris)

Schaffner and Griswold, 1934: 10 (incomplete rearing — pupa); Howard, 1897: 51; *Brauer and Bergenstamm, 1895: 575, 603 ([incomplete rearing — pupa], Williston, 1889); Williston, 1889: 1913-1914 (incomplete rearing — pupa).

Oecophoridae

Depressaria pastinacella (Duponchel)

Schaffner, 1959: 39, [N.E. U.S.] (as *Larvaevoridae* ex *D. heracliana* (Linnaeus)).

Psilocorsis reflexella Clemens

Schaffner, 1959: 40, [N.E. U.S.] (as *Larvaevoridae*, incomplete rearing — pupa).

Olethreutidae

Grapholitha molesta (Busck)

Smith, R. W., 1929: 75, Ont. (ex *Laspeyresia*).

Rhyacionia frustrana (Comstock)

Swenk, 1927: 4, 46, Nebr.

Rhyacionia frustrana bushnelli Busck

Graham, S. A., and Baumhofer, 1927: 331, Nebr.

Papilionidae

Papilio glaucus Linnaeus

Schaffner and Griswold, 1934: 7 (ex *P. glaucus* form *turnus* Linnaeus, incomplete rearing — pupa).

Papilio polyxenes asterius Stoll

Schaffner and Griswold, 1934: 6 (ex *P. ajax* Linnaeus, incomplete rearing — pupa); Soule, 1899: 436, Vt. (ex *P. polyxenes* Fabricius, incomplete rearing — ?).

Papilio zelicaon Lucas

*Essig, 1915: 455, Calif. (ex *P. "zelicaon,"* Coolidge, 1910); Coolidge, 1910: 334, Calif. (ex *P. "zelicayn"*).

Pieridae

Pieris protodice Boisduval and LeConte

Hopkins, 1953: 794, Ariz.

Pieris rapae (Linnaeus)

Blunck, 1957: 836, Calif.; Schaffner and Griswold, 1934: 7-8 (ex *Ascia*, incomplete rearing — pupa); Packard, 1873: 58, N. Amer.; *vide Riley, 1870: 109-110, Que. (Provancher, 1869); Provancher, 1869: 18, Que. (as genre sarcophage).

Zerene "catenaria"

Dimmock and Ashmead, 1898: 149, N.H.

Plutellidae

Harpipteryx xylostella (Linnaeus)

Schaffner, 1959: 42, [N.E. U.S.] (as Larvaevoridae).

Psychidae

Thyridopteryx ephemeraeformis (Haworth)

Schaffner, 1959: 46, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — larva); Balduf, 1937: 173, Ill. (incomplete rearing — pupa).

Pterophoridae

Oidaematophorus monodactylus (Linnaeus)

Schaffner, 1959: 19, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — pupa).

Trichoptilus lobidactylus (Fitch)

Schaffner, 1959: 18, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — pupa).

Pyralidae

Acrobasis betulella Hulst

Schaffner, 1959: 14, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — pupa).

Acrobasis caryae Grote

All records ex case bearer.

Burkett, 1932: 212, Tex.; Burkett, 1925: 182-183, Tex.

Crambus spp.

Felt, 1906: 70, N.Y. (as small "Tachinid").

Diaphania hyalinata (Linnaeus)

Ashmead, 1887: 27 (ex *Eudiotis*).

Diatraea saccharalis (Fabricius)

Koebele, 1908: 509, Mexico (V.C.) (ex moth borer of the sugar cane, incomplete rearing — pupa).

Diatraea spp.

Wolcott, 1915: 37, Jamaica.

Dioryctria abietella (Denis and Schiffermüller)

Keen, 1958: 152.

Hedylepta accepta (Butler)

Swezey, 1906: 17, Hawaii (ex *Omiodes*).

Loxostege similalis (Guenée)

Forbes, S. A., and Hart, 1900: 457, Ill.

Loxostege sticticalis (Linnaeus)

Maxson, 1920: 77, fig. 12 on pl. 5, [Colo.] (ex *L. "sticticilis"*).

Macrobotys pertextalis (Lederer)

Schaffner, 1959: 10, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — pupa).

Nephopteryx subcaesiella (Clemens) probably

Balduf, 1961: 82, Ill.

Phlyctaenia coronata tertialis (Guenée)

Schaffner, 1959: 10, [N.E. U.S.] (as Larvaevoridae ex *P. tertialis*, incomplete rearing — pupa).

Pyrausta futilalis (Lederer)

Schaffner, 1959: 11, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — pupa).

Tetralopha subcanalis (Walker)

Leiby, 1925: 30, N.C.

Saturniidae

Actias luna (Linnaeus)

Schaffner and Griswold, 1934: 27-28 (incomplete rearing —

pupa); Riley, 1872: 125, Ky. (ex *Attacus*, incomplete rearing — egg).

Antheraea polyphemus (Cramer)

All records ex *Telea polyphemus*.

Schaffner and Griswold, 1934: 28 (incomplete rearing — pupa); Coolidge, 1908: 13, Calif.; Weed, 1897: 203-205.

Automeris io (Fabricius)

Schaffner and Griswold, 1934: 28 (incomplete rearing — pupa).

Callosamia promethea (Drury)

Schaffner and Griswold, 1934: 27 (incomplete rearing — pupa); Riley, 1872: 123 (ex *Attacus*).

Hemileuca spp. (including *H. lucina* H. Edwards and/or *H. maia* (Drury))

Schaffner and Griswold, 1934: 29 (incomplete rearing — pupa).

Platysamia cecropia (Linnaeus)

West, 1923: 23-25, N.Y. (ex *Samia*, incomplete rearing — larva); Lugger, 1899: 122, fig. 124 on pl. 14, Minn. (ex *Attacus*); Bruner, 1890: 18, Nebr.; Reed, 1873: 41, Ont.; Bethune, 1871: 24, Ont. (ex *Samia*).

Sphingidae

Agrius convolvuli (Linnaeus)

Perkins, R. C. L., 1907: 114, Hawaii (ex native species of the same group as *Sphinx*).

Ceratomia catalpae (Boisduval)

Schaffner and Griswold, 1934: 17, N.J. (incomplete rearing — pupa); Girault, 1908: 198, Tex.

Ceratomia undulosa (Walker)

Schaffner and Griswold, 1934: 17 (incomplete rearing — pupa).

Cressonia juglandis (J. E. Smith)

Schaffner and Griswold, 1934: 22 (incomplete rearing — larva).

Hemaris thysbe (Fabricius)

Schaffner and Griswold, 1934: 22 (incomplete rearing — pupa).

Hyles lineata (Fabricius)

Schaffner and Griswold, 1934: 25 (ex *Sphinx*, incomplete rearing — pupa).

Pachysphinx modesta occidentalis (H. Edwards)

Comstock and Dammers, 1943: 41, [Calif.].

Paonias myops (J. E. Smith)

Schaffner and Griswold, 1934: 21 (incomplete rearing — pupa).

Pholus satellitia pandorus (Hübner)

Hefley, 1926: 79, Okla. (ex *P. pandorus*).

Smerinthus jamaicensis (Drury)

Schaffner and Griswold, 1934: 20 (ex *S. geminatus* Say, incomplete rearing — pupa).

Sphinx chersis (Hübner)

Schaffner and Griswold, 1934: 18 (ex *Hyloicus*, incomplete rearing — pupa).

Sphinx drupiferarum J. E. Smith

Schaffner and Griswold, 1934: 20 (ex *Hyloicus*, incomplete rearing — pupa).

Sphinx gordius Cramer

Schaffner and Griswold, 1934: 19 (ex *Hyloicus*, incomplete rearing — pupa).

Sphinx kalmiae J. E. Smith

Schaffner and Griswold, 1934: 18-19 (ex *Hyloicus*, incomplete rearing — pupa).

Stenomidae

Antaeotricha leucillana (Zeller)

Frost, 1931: 1213, Pa. (ex *Stenoma algidella* Walker).

Thyatiridae

Pseudothyatira cymatophoroides (Guenée)

Schaffner and Griswold, 1934: 84 (incomplete rearing — pupa).

Tortricidae

Archips argyrospilus (Walker)

Prokopy, 1968: 350, Conn.; Schaffner, 1959: 30, [N.E. U.S.] (as *Larvaevoridae*).

Archips spp. (including *A. argyrospilus* (Walker) and/or *A. griseus* (Robinson))

Prokopy, 1968: 350, Conn.

Archips spp. probably

Dudley, 1919: 47, Maine (ex cherry ugly moths).

Choristoneura conflictana (Walker)

Wickman, 1963: 596, Calif.

Choristoneura fumiferana (Clemens)

Bean, 1958: 400-403, Minn. (as larvaevorids); Barker, 1947: 2-3, Man. (ex spruce budworm).

Choristoneura occidentalis Freeman

Williams, C. B., Walton and Tiernan, 1969: 310-311, Mont.

Choristoneura pinus Freeman

Barker, 1947: 3, Man. (ex jack pine budworm).

Choristoneura rosaceana (Harris)

Ross, W. A., 1939: 52, Ont. (ex *Archips*); Sanderson and Jackson, 1909: 398-399 (ex *Archips*, incomplete rearing — egg); Coquillett, 1882: 14, Ill. (ex "*Laxotaenia*," incomplete rearing — egg); Snow, F. H., 1880: 202, Kans. (ex *Loxotaenia*).

Sparganothis pettitana (Robinson)

Schaffner, 1959: 28, [N.E. U.S.] (as Larvaevoridae, incomplete rearing — pupa).

Yponomeutidae

Urodus parvulus (H. Edwards)

Patton, 1958: 86, Fla. (ex *Trichostiba*).

Unidentified Lepidoptera

Miscellaneous

Walsh, 1866: 46, Maine (ex caterpillar on apple tree).

HOST: ORTHOPTERA

Acrididae

Ageneotettix deorum (Scudder)

Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Acemya tibialis* Coquillett); Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Hemithrixion oestriforme* Brauer and Bergenstamm).

Camnula pellucida (Scudder)

Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Acemya tibialis*); Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Hemithrixion oestriforme*); Bruner, 1890a: 139, Idaho (incomplete rearing — larva).

Chimarocephala pacifica pacifica (Thomas)

Rentz, 1961: 60, Calif.

Dissosteira longipennis (Thomas)

Wakeland, 1958: 94, Colo.; *Wakeland, 1958: 92 (as long-legged *Tachina* fly, probable host, Bruner, 1897); Bruner, 1897: 38-39, Nebr. (as long-legged *Tachina* fly, probable host).

Melanoplus bivittatus (Say)

Washburn, 1912: 37, Minn.

Melanoplus dawsoni (Scudder)

Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Acemya tibialis*); Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Hemithrixion oestriforme*); Washburn, 1912: 37, Minn.

Melanoplus femurrubrum (De Geer)

Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Hemithrixion oestriforme* ex *M. "f. rubrum"*).

Melanoplus foedus Scudder

Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Acemya tibialis*); Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Hemithrixion oestriforme*).

Melanoplus packardii Scudder

Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Acemya tibialis*); Smith, R. W., 1944: 29, Canada (as undetermined tachinid sp. may be *Hemithrixion oestriforme*).

Melanoplus sanguinipes (Fabricius)

Smith, R. W., 1965: 190, 197, Ont.; Washburn, 1912: 37, Minn. (ex *Dissosteira carolina* (Linnaeus)); Washburn, 1912: 37, Minn. (ex *M. atlanis* (Riley)); Marlatt, 1889: 68, 70, N.H. (ex "*Melanopus*" *atlanis*, incomplete rearing — larva).

Melanoplus spretus (Walsh)

All records ex *Caloptenus spretus*.

Riley, Packard and Thomas, 1883: 319-323, Colo., Man., Minn.; Riley, 1876: 107-108, Kans., Mo. (incomplete rearing — egg or larva).

Melanoplus spp. (including *M. bivittatus* (Say) and/or *M. differentialis* (Thomas))

Osborn, 1891: 70, 74, Kans. (ex *Caloptenus differentialis* or *bivittatus*); *Osborn, 1891a: 51, 55-56, Kans. (ex *Caloptenus* spp. (*C. differentialis* and/or *C. bivittatus*), Osborn, 1891).

Melanoplus spp.

Criddle, 1911: 239, Man.

Orphulella speciosa (Scudder)

Washburn, 1912: 37, Minn.

Spharagemon collare (Scudder)

Washburn, 1912: 37, Minn.

Grasshopper(-s)

Corkins, 1924: 47; Washburn, 1902: 28, Minn.

Locust(-s)

Fletcher, 1897: 60-61, Ont. (ex red-legged locust, two-striped locust and/or lesser migratory locust); Riley, Packard and Thomas, 1883: 18-19, N.W. [U.S.].

Unidentified Acrididae

Milliken, R., 1893: 19, Idaho (incomplete rearing — larva).

Mantidae

Stagmomantis carolina (Linnaeus)

Riley, 1885: 100 (ex *Mantis*).

Phasmatidae

Bacillus rossia (Rossi)

Osten Sacken, 1877: 23 (ex *B. rossii* Fabricius, incomplete rearing — larva).

Diapheromera femorata (Say)

Osten Sacken, 1877: 23.

SYNOPSIS OF HOST-PARASITE RELATIONSHIPS

This section is based entirely on information contained in the next section on hosts. The class Insecta is listed first, followed by non-Insecta. The host orders, families, and genera are arranged alphabetically, followed by nonscientific names. The parasite names are arranged alphabetically, followed by the unassigned Tachinidae.

Class Insecta

Order COLEOPTERA

Family ALLECULIDAE

Chromatia: *Hyalomyodes*.

Family BOSTRICHIDAE

Amphicerus: *Lixophaga*.

Family BUPRESTIDAE

Buprestis: Tachinidae.

Family CARABIDAE

Calosoma: *Sitophaga*.

Carabus: *Sitophaga*, Tachinidae.

Pterostichus: Tachinidae.

Family CERAMBYCIDAE

Enaphalodes: *Theresia*, Tachinidae.

Monochamus: *Eutheresia*, Tachinidae.

Oberea: *Lixophaga*.

Saperda: *Euphorocera*, *Ptilodexia*, Tachinidae.

Stenocorus: *Eutheresia*, *Ptilodexia*.

Unidentified: *Eutheresia*, *Zelia*.

Family CHRYSOMELIDAE

Acalymma: *Celatoria*, Tachinidae.

Agrioconota: *Eucelatoriopsis*.

- Altica*: *Hyalomyodes*, *Medina*, Tachinidae.
Blepharida: *Adoryphorophaga*.
Calligrapha: *Euphorocera*, *Myiopharus*.
Cerotoma: *Celatoria*.
Chelymorpha: *Eribella*, *Eucelatoriopsis*.
Chrysomela: *Grisdalemyia*, *Hyalomyodes*, Tachinidae.
Coptocycla: *Eucelatoriopsis*, "Tachina."
Crioceris: *Meigenia*, *Paralispe*.
Diabrotica: *Celatoria*, *Pseudomyothyria*, Tachinidae.
Disonycha: *Medina*.
Erynephila: "Hypostena."
Lema: *Paralispe*, *Patelloa*.
Leptinotarsa: *Adoryphorophaga*, *Doryphorophaga*, *Winthemia*,
Tachinidae.
"Luperodes": *Medina*.
Metriona: *Eucelatoriopsis*.
Monocesta: *Ervia*.
Monoxia: *Chaetonodexodes*.
Oulema: *Hyalomyodes*.
Physonota: Tachinidae.
Plagiometriona: *Eribella*, *Eucelatoriopsis*, *Medina*.
Pyrrhalta: *Aplomyiopsis*, *Erynniopsis*.
Trirhabda: *Celatoria*.
Chrysomelid (including *Lema* and/or *Leptinotarsa*): *Adoryphoro-*
phaga, *Doryphorophaga*.
Cucumber beetle(-s): *Celatoria*.
Unidentified: *Medina*.

Family CLERIDAE

- Thanasimus*: Tachinidae.

Family COCCINELLIDAE

- Coccinella*: *Hyalomyodes*.
Coleomegilla: *Hyalomyodes*.
Epilachna: *Aplomyiopsis*, *Doryphorophaga*, *Euphorocera*, *Helio-*
plagia, *Hyalomyodes*, *Lespesia*, *Nemorilla*, Tachinidae.

Family CURCULIONIDAE

- Ampelogypter*: *Myiophasia*.
Anthonomus: *Myiophasia*.
Chalcodermus: *Myiophasia*.

- Conotrachelus:** *Cholomyia*, *Myiophasia*, Tachinidae.
Curculio: *Clausicella*, *Elfia*, *Myiophasia*, "*Myiophasia*," *Winthemia*.
Hypera: *Hyalomyodes*, *Lixophaga*, *Madremyia*.
Listroderes: *Epiplagiops*, *Hyalomyodes*.
Lixus: *Lixophaga*.
Pissodes: *Compsilura*.
Rhabdoscelus: *Lixophaga*, *Metadexia*.
Rhodoabaenus: Tachinidae.
Sitona: *Hyalomyodes*.
Sphenophorus: *Lixophaga*, *Myiophasia*, Tachinidae.
Trichobaris: *Myiophasia*.
Caneborer(-s): *Myiophasia*.
Curculionid (including Conotrachelus or Curculio): *Myiophasia*.
Unidentified: *Myiophasia*, *Winthemia*.

Family ELATERIDAE

- Melanotus:** *Ateloglossa*.

Family ENDOMYCHIDAE

- Endomychus:** *Phyllophilopsis*.

Family LUCANIDAE

- Ceruchus:** *Eutheresia*.

Family MELOIDAE

- Epicauta:** *Pseudoperichaeta*.
Tetraonyx: *Gonia*.

Family PASSALIDAE

- Popilius:** *Zelia*.

Family SCARABAEIDAE

- Adoretus:** *Prosenia*.
Anomala: *Prosenia*.
Chemarachis: *Cryptomeigenia*, *Eutrixoides*, *Ptilodexia*.
Euetheola: *Eutrixia*, *Megapariopsis*, *Microphthalma*.
Lachnosterna: *Cryptomeigenia*.
Ligyris: *Eutrixia*.

Maladera: *Dexilla*, *Hyperecteina*.

Osmoderma: *Zelia*.

Phyllophaga: *Bonnetia*, *Cryptomeigenia*, *Dexilla*, *Dinera*, *Eutrixia*, *Eutrixoides*, *Gonia*, *Microphthalma*, *Ptilodexia*, "*Ptilodexia*," *Sitophaga*, Tachinidae.

Popillia: *Dexilla*, *Hamaxia*, *Hyperecteina*, *Prosenia*, *Ptilodexia*.

Serica: *Pseudomyothyria*, *Sitophaga*.

Xyloryctes: *Mystacella*.

June beetle(-s): *Eutrixia*, *Microphthalma*.

May beetle(-s): *Cryptomeigenia*, *Eutrixia*, *Ptilodexia*, Tachinidae.

Scarabaeid (allied genera of *Phyllophaga*): *Microphthalma*.

Scarabaeid (including *Cyclocephala* and/or *Phyllophaga*): *Microphthalma*.

Scarabaeid (including *Phyllophaga* or other Scarabaeidae): *Mochlosoma*.

Scarabaeid (including *Phyllophaga* or *Phytalis*): *Cryptomeigenia*, *Eutrixoides*.

Unidentified: *Hamaxia*.

White grub(-s): *Microphthalma*.

Family TENEBRIONIDAE

Eleodes: *Eleodiphaga*, *Sitophaga*, Tachinidae.

Meracantha: *Catagoniopsis*, *Pales*, *Zelia*.

UNIDENTIFIED COLEOPTERA

Rhynchophora: *Lixophaga*.

Unidentified: *Euphorocera*, "*Macquartia*," *Myiophasia*.

Order DERMAPTERA

Family CARCINOPHORIDAE

Anisolabis: Tachinidae.

Family FORFICULIDAE

Forficula: *Bigonicheta*, *Ocytata*.

Order DIPTERA

Family CECIDOMYIIDAE

Rhabdophaga: Tachinidae.

Family TABANIDAE

Chrysops: *Carinosillus*.

Hybomitra: *Carinosillus*, Tachinidae.

Tabanus: *Carinosillus*, *Ormia*, *Phasiops*, "*Phorostoma*," *Vibrissotheresia*.

Horse fly (flies): *Carinosillus*.

Unidentified: *Opsotheresia*, Tachinidae.

Family TIPULIDAE

Ctenophora: *Admontia*.

Tipula: *Admontia*, *Siphona*, Tachinidae.

Crane fly (flies): *Siphona*.

Tipulini: "*Sturmia*."

Unidentified: *Dexia*, *Pilatea*.

Order HEMIPTERA (HETEROPTERA)

Family COREIDAE

Acanthocephala: *Trichopoda*.

Anasa: *Trichopoda*, Tachinidae.

Archimerus: *Trichopoda*.

Chelinidea: *Trichopoda*.

Euthochtha: *Trichopoda*.

Harmostes: *Leucostoma*.

Leptoglossus: *Trichopoda*.

Narnia: *Trichopoda*.

Family CYDNIDAE

Sehirus: *Hyalomya*.

Family LARGIDAE

Largus: *Trichopoda*.

Family LYGAEIDAE

Emblethis: *Hyalomya*.

Eremocoris: *Catharosia*.

Geocoris: *Hyalomya*.

Lygaeus: *Leucostoma*.

Nysius: *Hyalomya*, "*Phorantha*."

Oncopeltus: *Leucostoma*.

Thylochromus: *Catharosia*.

Family MIRIDAE

Leptopterna: "*Phorantha*."

Lygocoris: *Alophorella*.

Lygus: *Alophorella*.

Family NABIDAE

Nabis: *Leucostoma*.

Family PENTATOMIDAE

Acrosternum: *Trichopoda*.

Alcaeorrhynchus: *Trichopoda*.

Chlorochroa: *Cylindromyia*, *Gymnosoma*, *Paraphorantha*, *Trichopoda*.

Cosmopepla: *Alophorella*, *Gymnoclytia*.

Eurygaster: *Gymnosoma*, *Phasia*.

Euschistus: *Cylindromyia*, *Euthera*, *Gymnoclytia*, *Gymnosoma*, *Trichopoda*.

Holcostethus: *Alophorella*.

Murgantia: *Trichopoda*.

Nezara: *Trichopoda*, Tachinidae.

Oebalus: *Euthera*.

Pitedia: *Gymnosoma*, *Trichopoda*.

Plautia: *Trichopoda*.

Podisus: *Hemyda*, *Trichopoda*.

Thyanta: *Trichopoda*.

Pentatomid (including *Euschistus*, *Mormidea*, *Nezara* and/or *Oebalus*): *Beskia*, *Cylindromyia*, *Euthera*.

Plant bug(-s): *Trichopoda*, Tachinidae.

Wheat bug(-s): *Gymnosoma*.

Family PYRRHOCORIDAE

Dysdercus: *Acaulona*.

Family RHOPALIDAE

Liorhyssus: *Leucostoma*, Tachinidae.

Family SCUTELLERIDAE

Coleotichus: *Trichopoda*.

UNIDENTIFIED HEMIPTERA (HETEROPTERA)

Unidentified: *Hyalomya*.

Order HEMIPTERA (HOMOPTERA)

Family APHIDIDAE

Macrosiphum: *Beskia*.

Family CERCOPIDAE

Philaenus: *Alophorella*.

Family CICADIDAE

Magicicada: "*Tachina*," Tachinidae.

Order HYMENOPTERA

Family APIDAE

Bombus: *Clausicella*, *Lespesia*, "*Tachina*."

Family ARGIDAE

Arge: *Aporotachina*, *Bessa*, *Lydella* probably, *Spathimeigenia*, "*Sturmia*."

Sphacophilus: "*Hypostena*," *Schizocerophaga*, Tachinidae.

Sterictiphora: "*Hypostena*."

Family CIMBICIDAE

Cimbex: *Aplomya*, *Compsilura*, Tachinidae.

Trichiosoma: *Aplomya*.

Family DIPRIONIDAE

Diprion: *Bessa*, *Blondelia* probably, *Catagoniopsis*, *Compsilura*, *Diplostichus*, *Drino*, *Euphorocera*, *Guerinia*, *Spathimeigenia*, *Winthemia*, Tachinidae.

Monoctenus: *Spathimeigenia*, *Tachinomyia*.

Neodiprion: *Bessa*, *Diplostichus*, *Drino*, *Eribella*, *Eucelatoria*, *Euphorocera*, "Phorocera," *Spathimeigenia*, *Tsugaea*, "Zenilia."

Zadiprion: *Spathimeigenia*.

Diprionid (including **Diprion** and/or **Neodiprion**): *Cryptomeigenia*, *Diplostichus*, *Euphorocera*, "Phorocera," *Spathimeigenia*.

Family FORMICIDAE

Eciton: *Androeuryops*.

Family PAMPHILIIDAE

Acantholyda: *Aplomya*.

Neurotoma: *Aplomya*, *Compsilura*, *Eubrachymera*.

Family SPHECIDAE

Bembix: "Prospherysa."

Family TENTHREDINIDAE

Allantus: *Guerinia*.

Amauronematus: *Bessa*.

Ametastegia: *Bessa*.

Anoplonyx: *Bessa*.

Cladius: *Bessa*.

Croesus: *Bessa*, *Compsilura*.

Hemichroa: *Bessa*, *Drino*.

Macremphytus: *Bessa*, *Exorista*, *Guerinia*.

Nematus: *Aporotachina*, *Bessa*, *Compsilura*, *Oswaldia*, *Tachinidae*.

Pikonema: *Bessa*, *Diplostichus*, *Drino*, *Phryxe*, *Spathimeigenia*.

Platycampus: *Bessa*.

Priophorus: *Bessa*.

Pristiphora: *Bessa*, *Compsilura*, *Diplostichus*, *Drino*, *Guerinia*, *Lespesia*, "Phorocera," *Spathimeigenia*.

Strongylogaster: *Bessa*.

Tethida: *Tachinidae*.

Tomostethus: *Hyalurgus*.

Trichiocampus: *Bessa*, *Compsilura*.

Unidentified: *Bessa*, *Carcelia*, "Gymnostyilia," *Lixophaga*, *Pseudomyothyria*.

UNIDENTIFIED HYMENOPTERA

Bee(-s): "*Tachina*."

Pine sawfly(-flies): *Spathimeigenia*.

Pitch pine sawfly(-flies): "*Phorocera*."

Sawfly(-flies): *Athrycia*, *Compsilura*, *Drino*, *Euphorocera*, *Guerinia*, *Lixophaga*, Gen. near *Lixophaga*, *Spathimeigenia*.

Tenthredinoidea: *Compsilura*.

Order LEPIDOPTERA

Family AEGERIIDAE

Melittia: *Chaetophlepsis*.

Sylvora: *Bonnetia*, *Copecrypta*.

Synanthedon: *Parafischeria*, *Sipholeskia*.

Vespamima: "*Tachina*," *Xanthophyto*.

Unidentified: *Eulasiona*.

Family ARCTIIDAE

Apantesis: *Carcelia*, *Euexorista*, *Euphorocera*, *Exorista*, *Gymnocarcelia*.

Arachnis: *Carcelia*, *Leschenaultia*, *Sisyropa*.

Cisthene: *Pseudochaeta*.

Cycnia: *Archytas*, *Exorista*, *Hyphantrophaga*, Tachinidae.

Diacrisia: *Aplomya*, *Blondelia*, *Bombyliopsis*, *Carcelia*, *Compsilura*, *Exorista*, *Gymnocarcelia*, *Hubneria*, *Lespesia*, *Mericia*, *Thelaira*, *Winthemia*, Tachinidae.

Ecpantheria: *Aplomya*, *Archytas*, *Carcelia*, *Gymnocarcelia*, *Juriniopsis*, *Leschenaultia*, *Lespesia*.

Estigmene: *Argyrophylax* probably, *Carcelia*, *Compsilura*, *Eucelatoria*, *Exorista*, *Gymnocarcelia*, *Hubneria*, *Leschenaultia*, *Lespesia*, *Mericia*, "*Phorocera*," *Sisyropa*, *Thelaira*, *Winthemia*, Tachinidae.

Eubaphe: *Euphorocera*.

Euchaetias: *Archytas*, *Bombyliopsis*, *Compsilura*, *Euexorista*, *Euphorocera*, *Exorista*, *Hyphantrophaga*, *Leschenaultia*, *Lespesia*, *Mericia*, *Winthemia*, *Zenillia*, Tachinidae.

Eupseudosoma: *Lespesia*.

Halisidota: *Anaporia*, *Blondelia*, *Bombyliopsis*, *Carcelia*, *Compsilura*, *Euphorocera*, *Exorista*, *Juriniopsis*, *Leschenaultia*, *Lespesia*, "*Macquartia*," "*Myiophasia*," "*Phorocera*," *Tachinomyia*, *Uramya*, *Winthemia*, "*Zenillia*," Tachinidae.

Haploa: "*Zenillia*."

Hemihyalea: *Leschenaultia*.

Hyphantria: *Archytas*, *Blondelia*, *Bombyliopsis*, *Carcelia*, *Ceromasia*, *Compsilura*, *Euphorocera*, *Eusisyropa*, *Exorista*, *Hyphantrophaga*, *Lespesia*, *Mericia*, "*Tachina*," *Winthemia*, Tachinidae.

Isia: *Euexorista*, *Exorista*, *Hubneria*, *Mystacella*, *Parachaeta*, *Thelaira*, *Winthemia*, Tachinidae.

Parasemia: *Thompsonomyia*.

Phragmatobia: *Carcelia*, *Hubneria*, Tachinidae.

Seirarctia: *Lespesia*.

Tigrioides: *Pseudochaeta*.

Turuptiana: *Carcelia*, *Chaetona*, "*Nemoraeta*," *Thelaira*.

Tyria: *Lespesia*.

Utetheisa: *Euphorocera*, *Gymnocarcelia*, *Lespesia*, *Lixophaga*, Tachinidae.

Unidentified: *Bombyliopsis*, *Carcelia*, *Chaetogaedia*, *Compsilura*, "*Gonia*," *Gymnocarcelia*, *Hubneria*, *Leschenaultia*, *Lespesia*, "*Phorocera*," *Sisyropa*, *Thelaira*, *Winthemia*.

White woolly bear(-s): *Winthemia*.

Woolly bear(-s): *Leschenaultia*.

Family BLASTOBASIDAE

Valentinia: "*Hypostena*."

Family BOMBYCIDAE

Bombyx: *Compsilura*, *Lespesia*, *Zenillia*.

Unidentified: *Exorista*, *Lespesia*, *Pseudochaeta*, *Winthemia*.

Family BRASSOLIDAE

Brassolis: Tachinidae.

Opsiphanes: *Lespesia*.

Family CASTNIIDAE

Castnia: *Palpozenillia*.

Family CITHERONIIDAE

Anisota: *Belvosia*, *Compsilura*, *Eumasicera*, *Euphorocera*, *Eusisyropa*, *Hyphantrophaga*, *Lespesia*, "*Masicera*," *Oswaldia*, *Pacidianus*, "*Sturmia*," *Winthemia*, Tachinidae.

Citheronia: *Belvosia*, *Lespesia*, *Winthemia*.

Eacles: *Belvosia*, *Drino*, *Lespesia*, *Winthemia*, Tachinidae.

Family COLEOPHORIDAE

Coleophora: *Erynnia*.

Family COSSIDAE

Cossula: "*Phorocera*."

Family CTENUCHIDAE

Ceramidia: *Lespesia*.

Ctenucha: *Compsilura*, Tachinidae.

Lymire: *Euphorocera*, *Lespesia*.

Syntomeida: *Euphorocera*, *Lespesia*.

Family DANAIDAE

Danaus: *Buquetia*, *Chaetogaedia*, *Compsilura*, *Eusisyropa*, *Exorista*, *Lespesia*, *Madremyia*, *Phryxe*, Tachinidae.

Family DIOPTIDAE

Phryganidia: *Actia*, *Eusisyropa*, *Siphona*, Tachinidae.

Family DREPANIDAE

Drepana: *Actia*, Tachinidae.

Family ETHMIIDAE

Ethmia: *Eufrontina*.

Family GELECHIIDAE

Anacampsis: *Lypha*.

Anarsia: *Erynnia*, *Euphorocera*, *Psalidopteryx*.

Aristotelia: *Schizactia*.

Chionodes: *Schizotachina*.

Coleotechnites: *Elfia*, *Schizactia*.

Exoteleia: *Schizactia*.

Filatima: *Eusisyropa*, *Nemorilla*, *Pseudomyothyria*.

Frumenta: *Lixophaga*.
Gnorimoschema: *Actia*, *Frontiniella*.
Isophrictis: "*Tachinophyto*."
Pectinophora: *Erynnia*.
"Telphusa" probably: *Psalidopteryx*.
Gelechiid webber(-s): *Eusisyropa*.

Family GEOMETRIDAE

Alsophila: *Blondelia*, *Cyzenis*, *Gonia*, *Ictericophyto*, *Omotoma*,
Phryxe, *Pseudotachinomyia*, *Tachinomyia*, *Winthemia*,
Tachinidae.
Anacamptodes: *Blondelia*, *Eusisyropa*, *Lespesia*, "*Winthemia*."
Biston: *Aplomya*, *Compsilura*, *Exorista*.
Brephos: *Actia*, *Ictericophyto*.
Caripeta: *Blondelia*.
Cingilia: *Blondelia* probably, *Ceromasia*, *Chaetophlepsis*, *Compsilura*,
Euphorocera, *Eusisyropa*, *Madremyia*, *Phryxe*, *Winthemia*,
Tachinidae.
Coniodes: *Tachinidae*.
Coryphista: *Blondelia*, *Madremyia*.
Cosymbia: *Actia*.
Deilinia: *Tachinidae*.
Deuteronomos: *Madremyia*.
Drepanulatrix: *Chaetophlepsis*, *Patelloa*.
Ematurga: *Winthemia*.
Ennomos: *Actia*, *Blondelia*, *Chaetogaedia*, *Compsilura*, *Euexorista*,
Euphorocera, *Eusisyropa*, *Lespesia*, *Madremyia*, *Mericia*,
Phryxe, *Tachinomyia*, *Xanthophyto* probably, *Tachinidae*.
Erannis: *Ictericophyto*, *Phryxe*, *Pseudotachinomyia*, *Tachinomyia*,
Winthemia, *Tachinidae*.
Eucaterva: *Hyphantrophaga*, *Tachinidae*.
Eugonobapta: *Actia*, *Compsilura*.
Eulype: *Tachinidae*.
Eupithecia: *Bessa*, *Blondelia*, *Chaetogaedia*, *Clausicella*.
Hydria: *Chrysoexorista*, *Compsilura*, *Drino*, *Eusisyropa*.
Isturgia: *Eusisyropa*.
Itame: *Blondelia*, *Chaetophlepsis*, *Compsilura*, *Euphorocera*,
Tachinomyia, *Tachinidae*.
Lambdina: *Blondelia*, *Chaetophlepsis*, *Chrysoexorista*, *Compsilura*,
Eusisyropa, *Madremyia*, *Phryxe*, *Winthemia*, *Tachinidae*.
Lycia: *Ceromasia*.
Lygris: *Hyphantrophaga*.
Melanchroia: *Euphorocera*, *Prophryno*.

- Melanolophia:** *Actia*, *Compsilura*, *Eusisyropa*, *Ictericophyto*.
Metanema: *Lespesia*.
Nematocampa: *Compsilura*, Tachinidae.
Nepytiya: *Bessa*, *Blondelia*, *Chaetophlepsis*, *Eusisyropa*, Tachinidae.
Operophtera: *Cyzenis*, *Phryxe*.
Paleacrita: Tachinidae.
Pero: *Chaetophlepsis*.
Phaeoura: *Aplomya*, Tachinidae.
Phigalia: *Ceromasia*, *Compsilura*, *Eusisyropa*, *Omotoma*,
Tachinomyia, Tachinidae.
Philtraea: *Euphorocera*.
Protitame: *Chaetophlepsis*.
Sabulodes: *Xanthophyto*, Tachinidae.
Scotorythra: *Chaetogaedia*, *Lespesia*.
Semiothisa: *Bessa*, *Blondelia*, *Chaetophlepsis*, *Euphorocera*,
Prophryno.
Synchlora: *Phryxe*.
Thera: *Blondelia*.
Cankerworm(-s): *Winthemia*.
Cankerworm(-s) (including Alsophila and/or Paleacrita): "*Tachina*."
Unidentified: *Aplomya*, *Bessa*, *Compsilura*, *Eucelatoria*, *Lespesia*,
Winthemia, *Xanthoepalpus*.

Family GLYPHIPTERYGIDAE

- Anthophila:** *Hemisturmia*, *Nemorilla*.
Lotisma: *Elfia*.

Family GRACILLARIIDAE

- Gracillaria:** *Aplomya*.

Family HEPIALIDAE

- Hepialus:** Tachinidae.

Family HESPERIIDAE

- Autochton:** *Lespesia*.
Calpodes: *Eucelatoria*, *Eusisyropa*, *Lixophaga*.
Cymaenes: Tachinidae.
Epargyreus: *Acroglossa*, *Compsilura*, *Euphorocera*, *Eusisyropa*,
Juriniopsis, *Lespesia*, Tachinidae.
Erynnis: *Compsilura*, *Drino*, *Eusisyropa*, Tachinidae.

Hylephila: *Stomatomyia*.

Lerodea: *Euphorocera*.

Ochlodes: *Spathidexia*.

Thymelicus: *Compsilura*, *Euexorista*, *Helioplaga*, *Phryxe*, *Winthemia*, Tachinidae.

Urbanus: *Chrysotachina*, *Lespesia*, *Nemorilla*.

Hesperiid (including *Cymaenes*, *Nyctelius* and/or *Pan-
oquina*): Tachinidae.

Unidentified: *Belvosia*, *Compsilura*.

Family LACOSOMIDAE

Cicinnus: *Chrysotachina*.

Family LASIOCAMPIDAE

Epicnaptera: *Compsilura*, *Exorista*, Tachinidae.

Gloveria: *Aplomya*, *Hyphantrophaga*.

Malacosoma: *Archytas*, *Blepharipa*, *Carcelia*, *Cartocometes*, *Chaetogaedia*, *Compsilura*, *Cyzenis*, *Diplostichus*, *Drino*, *Euexorista*, *Euphorocera*, *Exorista*, *Hyphantrophaga*, *Leschenaultia*, *Lespesia*, *Madremyia*, *Mericia*, *Parasetigena*, *Patelloa*, *Pilatea*, "*Tachina*," *Tachinomyia*, *Uramya*, *Winthemia*, *Xanthophyto*, Tachinidae.

Tolype: *Exorista*, *Winthemia*.

American tent caterpillar(-s): *Carcelia*, *Compsilura*, *Lespesia*, Tachinidae.

Apple tree tent caterpillar(-s): *Euphorocera*, *Exorista*.

Tent caterpillar(-s): *Archytas*, *Exorista*, *Leschenaultia*, *Lespesia*, *Winthemia*.

Family LIMACODIDAE

Adoneta: *Carcelia*.

Cnidocampa: *Chaetexorista*, *Compsilura*, *Lixophaga*.

Euclea: *Anaporia*, *Eusisyropa*, Tachinidae.

Limacodes: *Anaporia*, Tachinidae.

Lithacodes: *Anaporia*.

Packardia: *Eupelecotheca*.

Phobetron: *Anaporia*, *Carcelia*, *Palpexorista*, Tachinidae.

Prolimacodes: Tachinidae.

Sibine: *Anaporia*, *Euphorocera*, *Lespesia*, *Palpexorista*, Tachinidae.

Sisyrosea: *Anaporia*.

Tortricidia: *Anaporia*.

Family LYCAENIDAE

- Brephidium:** *Aplomya*, Tachinidae.
Celastrina: *Aplomya*.
Lampides: *Lespesia*.
Lycaeides: *Aplomya*.
Lycaena: *Aplomya*.
Plebejus: Tachinidae.
Strymon: *Aplomya*, *Lespesia*, *Nemorilla*.
Unidentified: *Aplomya*.

Family LYMANTRIIDAE

- Byrdia:** *Exorista*, *Peleteria*, *Petinarctia*.
Dasychira: *Carcelia*, *Compsilura*, *Exorista*, *Spoggosia*.
Euproctis: *Blepharipa*, *Carcelia*, *Compsilura*, *Euphorocera*,
Eusisyropa, *Exorista*, *Leschenaultia*, *Madremyia*, *Patelloa*,
Phrynofrontina, *Townsendiellomyia*, *Zenillia*.
Hemerocampa: *Bessa*, *Carcelia*, *Compsilura*, *Drino*, *Euphorocera*,
Exorista, "Exorista," *Leschenaultia*, *Lespesia*, *Patelloa*, *Pele-*
teria, "Phorocera," *Sisyropa*, *Tachinomyia*, *Winthemia*,
Tachinidae.
Nygmia: *Aplomya*, *Carcelia*, *Compsilura*, *Euphorocera*, *Eusisyropa*,
Exorista, *Gonia*, *Lespesia*, *Madremyia*, *Patelloa*, *Townsend-*
iellomyia.
Orgyia: *Carcelia*, *Compsilura*, *Eusisyropa*, *Exorista*, *Lespesia*,
Tachinidae.
Porthetria: *Blepharipa*, *Carcelia*, *Compsilura*, *Drino*, *Euphorocera*,
Eusisyropa, *Exorista*, *Lespesia*, *Nemorilla*, *Parasetigena*, *Phryxe*,
Tachinomyia, *Townsendiellomyia*, Tachinidae.
Stilpnobia: *Blepharipa*, *Compsilura*, *Euphorocera*, *Eusisyropa*,
Exorista, *Lespesia*, *Parasetigena*, *Tachinomyia*, *Winthemia*,
Tachinidae.
Tussock moth(-s): *Carcelia*, *Compsilura*, *Euphorocera*, *Exorista*,
Lespesia, *Thelymyia*, *Winthemia*, Tachinidae.
Unidentified: *Compsilura*.

Family MEGALOPYGIDAE

- Lagoa:** *Carcelia*, *Euphorocera*.
Megalopyge: *Anaporia*, *Archytas*, *Carcelia*, *Compsilura*, *Eupho-*
cera, *Hyphantrophaga*, *Lespesia*, *Sisyropa*, *Winthemia*,
"Zenillia," Tachinidae.

Family MEGATHYMIDAE

Agathymus: "*Phorocera*."

Megathymus: *Lespesia*, "*Phorocera*."

Family NOCTUIDAE

Achaea: *Chaetogaedia*, *Eucelatoria*, "*Winthemia*."

Achatodes: *Lydella*, *Nemorilla*.

Acronicta: *Archytas*, *Carcelia*, *Compsilura*, *Eumasicera*, *Euphorocera*, *Eusisyropa*, *Exorista*, "*Exorista*," *Lespesia*, *Mystacella*, "*Nemorilla*," *Nilea*, *Sisyropa*, *Tachinomyia*, *Winthemia*, "*Zenillia*," Tachinidae.

Actebia: *Chaetogaedia*, *Euphorocera*, *Periscepsia*, Tachinidae.

Agrotis: *Archytas*, *Bonnetia*, *Carcelia*, *Chaetogaedia*, *Eucelatoria*, *Euphorocera*, *Gonia*, *Lespesia*, "*Linnaemya*," *Madremyia*, *Mericia*, *Peleteria*, *Periscepsia*, *Sisyropa*, *Tachinomyia*, Tachinidae.

Alabama: *Beskia*, *Euphorocera*, *Eusisyropa*, "*Exorista*," *Lespesia*, *Patelloa*, "*Tachina*," *Triachora*, Tachinidae.

Aletia: "*Prosopaea*," Tachinidae.

Alypia: *Aplomya*, *Carcelia*, *Chaetophlepsis*, *Compsilura*, *Drino*, *Lespesia*, *Sisyropa*, *Winthemia*, Tachinidae.

Amathes: *Euphorocera*, *Linnaemya*, *Periscepsia*, *Winthemia*.

Amphipyra: *Compsilura*, *Mericia*, *Omotoma*, *Winthemia*, Tachinidae.

Amyna: *Eucelatoria*.

Anomis: *Chaetogaedia*, *Eusisyropa*, *Lespesia*, *Lixophaga*.

Anticarsia: *Euphorocera*, *Gonia*, *Voria*, *Winthemia*, *Sturmiini*.

Apamea: *Euexorista*, *Nowickia*.

Archanara: *Ceromasia*, *Lydella*.

Arzama: *Erynnia*, *Lydella*, *Oswaldia* probably.

Autographa: *Aplomya*, *Chaetogaedia*, *Chaetophlepsis*, *Eucelatoria*, *Euexorista*, *Lespesia*, *Madremyia*, *Periscepsia*, *Pilatea*, *Siphona*, *Voria*.

Autoplusia: *Chaetogaedia*, *Voria*.

Baileya: *Tachinomyia*.

Barathra: *Mericia*.

Bomolocha: *Blondelia*.

Caenurgina: *Winthemia*.

Callopistria: Tachinidae.

Calpe: *Compsilura*, *Winthemia*.

Carneades: *Chaetogaedia*.

Catabena: *Deopalpus*.

- Catocala:** *Actia*, *Archytas*, *Blepharipa*, *Chaetophlepsis*, *Compsilura*, *Eusisyropa*, *Tachinomyia*, *Winthemia*, *Tachinidae*.
- Celama:** *Lespesia*.
- Ceramica:** *Blondelia*, *Compsilura*, *Winthemia*, *Tachinidae*.
- Choephora:** *Wagneria*.
- Chrysodeixis:** *Chaetogaedia*, *Eucelatoria*, *Tachinidae*.
- Cirphis:** *Archytas*, *Periscepsia*, *Tachinidae*.
- Copablepharon:** *Bonnetia*.
- Cosmia:** *Mericia*, *Tachinidae*.
- Crocigrapha:** *Patelloa*.
- Crymodes:** *Gonia*, *Nowickia*, *Tachinidae*.
- Cryphia:** *Chaetophlepsis*.
- Cucullia:** *Lespesia*, *Winthemia*, *Tachinidae*.
- Elaphria:** *Archytas*, *Periscepsia*.
- Elydna:** *Chaetogaedia*, *Lespesia*.
- Epiglaea:** *Cyrtophleba*, *Madremyia*, *Periscepsia*, *Tachinomyia*, *Winthemia*, *Tachinidae*.
- Eubolina** probably: *Euphorocera*.
- Euparthenos:** *Tachinidae*.
- Eupsilia:** *Cyrtophleba*, *Mericia*, *Periscepsia*, *Tachinidae*.
- Euthisanotia:** *Chaetophlepsis*, *Compsilura*, *Sisyropa*, *Winthemia*, *Tachinidae*.
- Euxoa:** *Aphria*, *Bonnetia*, *Euphorocera*, *Gonia*, *Lespesia*, *Mericia*, *Nowickia*, *Peleteria*, *Periscepsia*, *Winthemia*, *Tachinidae*.
- Faronta:** *Euphorocera*, *Lespesia*, *Periscepsia*, *Winthemia*, *Tachinidae*.
- Feltia:** *Bonnetia*, *Euphorocera*, *Gonia*, *Lespesia*, *Spallanzania*, *Triachora*, *Winthemia*.
- Glaea:** *Periscepsia*.
- Heliophila:** *Archytas*, *Peleteria*.
- Heliothis:** *Archytas*, *Athanatus*, *Carcelia*, *Chaetogaedia*, *Eucelatoria*, *Euphorocera*, *Gonia*, *Gymnochaetopsis*, *Hyphantrophaga*, *Lespesia*, *Metaplagia*, *Nemorilla*, *Palexorista*, *Plagiomima*, *Voria*, *Winthemia*, *Tachinidae*.
- Heptagrotis:** *Phryxe*.
- Hydroecia:** *Euphorocera*, *Lespesia*, *Lydella*.
- Hypena:** *Blondelia*, *Ceromasia*, *Eusisyropa*.
- Hyppa:** *Euexorista*.
- Hypsoropha:** *Lespesia*.
- Lacinipolia:** *Chaetogaedia*.
- Laphygma:** *Archytas*.
- Lascoria:** *Periscepsia*.
- Leucania:** *Archytas*, *Eucelatoria*, *Peleteria*, *Periscepsia*, *Triachora*, *Winthemia*.

- Lithophane:** *Blepharipa*, *Blondelia*, *Carcelia*, *Compsilura*, *Epalpus*, *Euphorocera*, *Gonia*, *Mericia*, *Omotoma*, *Periscepsia*, *Phryxe*, *Tachinomyia*, *Winthemia*, *Tachinidae*.
- Litoprosopus:** Gen. near *Chaetogaedia*.
- Luperina:** *Lydella*, *Winthemia*.
- Macronoctua:** *Lydella*.
- Mamestra:** *Tachinidae*.
- Melipotis:** *Euphorocera*.
- Mocis:** *Archytas*, *Atacta*, *Belvosia*, *Eucelatoria*, *Euphorocera*, *Eusisyropa*, *Gonia*, *Gymnochaetopsis*, *Lespesia*.
- Nephelodes:** *Aplomya*, *Euexorista*, *Phryxe*, *Tachinomyia*, *Tachinidae*.
- Nycteola:** *Euexorista*, *Lespesia*, *Pseudoperichaeta*, *Zenillia*.
- Ogdoconta:** *Copecrypta*.
- Oligia:** *Winthemia*.
- Orthodes:** *Tachinidae*.
- Orthosia:** *Tachinomyia*, *Wagneria*.
- Papaipema:** *Aplomya*, *Ceromasia*, *Eusisyropa*, *Exorista*, *Gymnochaeta*, *Lixophaga*, *Lydella*, "Phorocera," "Tachina," *Winthemia*, *Tachinidae*.
- Parallelia:** *Oswaldia*, *Tachinidae*.
- Peridroma:** *Archytas*, *Bonnetia*, *Carcelia*, *Chaetogaedia*, *Clausicella*, *Eucelatoria*, *Euphorocera*, *Gonia*, *Lespesia*, *Madremyia*, *Peleteria*, *Periscepsia*, *Voria*, *Winthemia*, *Tachinidae*.
- Phosphila:** *Compsilura*, *Eusisyropa*.
- Plathypena:** *Archytas*, *Carcelia*, *Chaetophlepsis*, *Compsilura*, *Copecrypta*, *Euphorocera*, *Eusisyropa*, *Lespesia*, *Prophryno*, *Winthemia*.
- Playtysenta:** *Winthemia*.
- Plusia:** *Eucelatoria*, *Voria*.
- Plusiodonta:** *Compsilura*.
- Polia:** *Bonnetia*, *Compsilura*, *Eusisyropa*, *Nowickia*, *Periscepsia*.
- Polydesma:** *Chaetogaedia*, *Eucelatoria*, *Lespesia*.
- Prodenia:** *Gonia*, *Nemorilla*.
- Protorthodes:** *Chaetogaedia*, *Eucnephalia* probably, *Wagneria*.
- Pseudaletia:** *Archytas*, *Athrycia*, *Carcelia*, *Chaetogaedia*, *Compsilura*, *Cylindromyia*, *Eucelatoria*, *Euphorocera*, *Exorista*, *Gonia*, *Gymnocarcelia*, *Gymnoclytia*, *Lespesia*, *Madremyia*, *Myiophasia*, *Patelloa*, *Peleteria*, *Periscepsia*, *Phryxe*, "Tachina," *Triachora*, *Winthemia*, *Tachinidae*.
- Pseudoplusia:** *Chaetophlepsis*, *Euphorocera*, *Lespesia*, *Winthemia*.
- Psychomorpha:** *Sisyropa*, "Zenillia."
- Pyreferra:** *Exorista*, *Ictericophyto*, *Omotoma*, *Tachinidae*.
- Pyrophila:** *Leschenaultia*.

- Raphia:** *Tachinomyia*.
- Rhodophora:** *Compsilura*.
- Schinia:** *Winthemia*.
- Scoliopteryx:** *Compsilura*, *Winthemia*.
- Scotogramma:** *Euphorocera*, *Gonia*, *Lespesia*.
- Sideridis:** *Euexorista*.
- Simyra:** *Compsilura*, *Eusisyropa*, *Exorista*, *Lespesia*, "Masicera."
- Spaelotis:** *Periscepsia*, *Winthemia*.
- Spodoptera:** *Admontia*, *Archytas*, *Bonnetia*, *Carcelia*, *Chaetogaedia*, *Choeteprosopa*, *Eucelatoria*, *Euphorocera*, *Eusisyropa*, *Gonia*, *Hyphantrophaga*, *Lespesia*, *Lixophaga*, *Nemorilla*, *Omotoma*, *Palexorista*, *Voria*, *Winthemia*, *Tachinidae*.
- Stibadium:** *Lixophaga*.
- Trichoplusia:** *Archytas*, *Compsilura*, *Eucelatoria*, *Eusisyropa*, *Lespesia*, *Lixophaga*, *Madremyia*, *Nemorilla*, *Periscepsia*, "Phorocera," *Phryxe*, *Siphona*, "Tachina," *Voria*, *Winthemia*, *Tachinidae*.
- Xanthopastis:** *Lespesia*.
- Xerociris:** *Lespesia*.
- Xylena:** *Compsilura*, *Madremyia*, *Wagneria*, *Winthemia*.
- Agrotidian(-s):** *Winthemia*.
- Armyworm(-s):** *Archytas*, *Bonnetia*, *Chaetogaedia*, *Eucelatoria*, *Euphorocera*, *Lespesia*, *Patelloa*, *Peleteria*, *Periscepsia*, "Phorocera," *Triachora*, *Winthemia*, *Tachinidae*.
- Armyworm(-s) (including Pseudaletia and/or Spodoptera):** *Archytas*, *Chaetogaedia*, *Lespesia*.
- Cabbage cutworm(-s):** *Gonia*.
- Catocalinae:** *Actia*, *Archytas*, *Blepharipa*, *Compsilura*, *Eusisyropa*, *Tachinomyia*, *Winthemia*.
- Cutworm(-s):** *Archytas*, *Bonnetia*, *Chaetogaedia*, *Eucelatoria*, *Euphorocera*, *Gonia*, *Lespesia*, *Nowickia*, *Periscepsia*, "Tachina," *Tachinomyia*, *Winthemia*, *Tachinidae*.
- Cutworm(-s) and related Noctuidae:** *Winthemia*.
- Cutworm(-s) (including Agrotis and/or Leucania):** *Chaetogaedia*, *Lespesia*.
- Noctuid (including Heliothis, Prodenia and/or Spodoptera):** *Winthemia*.
- Noctuid (including Mamestra and/or Peridroma):** *Lespesia*, *Phryxe*, *Winthemia*.
- Phalaenid moth(-s):** *Voria*.
- Unidentified:** *Archytas*, *Blepharipa*, *Bonnetia*, *Chaetogaedia*, *Chaetophlepsis*, *Compsilura*, *Cyrtophleba*, *Gymnocarcelia*, *Lespesia*, *Mericia*, *Nilea*, *Peleteria*, *Periscepsia*, *Phryxe*, *Siphona*, *Tachinomyia*, *Voria*, *Winthemia*, Gen. near *Zenillia*, *Tachinidae*.

Family NOCTUIDAE and/or PYRALIDAE

Noctuid and/or pyralid (including *Scotogramma* and/or *Loxostege*): *Euphorocera*, *Lespesia*, *Voria*.

Family NOTODONTIDAE

Cerura: *Aplomya*, *Archytas*, *Compsilura*, *Exorista*, *Lespesia*, *Pales*, "Prosopaea," Tachinidae.

Dasylophia: *Lespesia*, Tachinidae.

Datana: *Archytas*, *Belvosia*, *Blepharipa*, *Carcelia*, *Compsilura*, *Euphorocera*, *Exorista*, *Lespesia*, *Mericia*, *Palpexorista*, *Patelloa*, *Winthemia*, Tachinidae.

Dicentria: *Winthemia*.

Fentonia: *Compsilura*, *Sisyropa*.

Gluphisia: *Eusisyropa*.

Heterocampa: *Actia*, *Blondelia*, *Compsilura*, *Lespesia*, *Patelloa*, *Sisyropa*, *Spathimeigenia*, *Winthemia*, Tachinidae.

Hyperaeschra: *Winthemia*, Tachinidae.

Ichthyura: *Compsilura*, *Euphorocera*, *Eusisyropa*, *Exorista*, *Lespesia*, *Winthemia*, *Zenillia*, Tachinidae.

Nadata: *Compsilura*, Tachinidae.

Pheosia: *Aplomya*, *Chaetophlepsis*, *Compsilura*, *Winthemia*.

Schizura: *Actia*, *Carcelia*, *Compsilura*, *Euphorocera*, *Exorista*, *Lespesia*, *Pseudoperichaeta*, *Winthemia*, Tachinidae.

Symmerista: *Blepharipa*, *Compsilura*, *Euphorocera*, *Winthemia*, Tachinidae.

Unidentified: *Compsilura*.

Family NYMPHALIDAE

Agraulis: *Compsilura*, *Euphorocera*.

Anaea: *Euphorocera*, *Lespesia*.

Asterocampa: *Euphorocera*, *Lespesia*.

Chlosyne: *Compsilura*, *Euphorocera*, "Phorocera," Tachinidae.

Euphydryas: *Compsilura*, *Siphosturmia*.

Limenitis: *Compsilura*, Tachinidae.

Nymphalis: *Bessa*, *Compsilura*, *Dichaetoneura*, *Doryphorophaga*, *Euexorista*, *Euphorocera*, *Eusisyropa*, *Exorista*, *Hemisturmia*, *Hyphantrophaga*, *Lespesia*, *Madremyia*, *Patelloa*, *Pelatachina*, "Phorocera," *Winthemia*, Tachinidae.

Phyciodes: *Siphosturmia*.

Polygonia: *Compsilura*, *Euphorocera*, *Eusisyropa*, *Exorista*, *Lespesia*, Tachinidae.

Speyeria: *Madremyia*.

Vanessa: *Chaetogaedia*, *Compsilura*, *Euexorista*, *Eusisyropa*, *Lespesia*, *Madremyia*, *Metopiops*, *Pelatachina*, *Sisyropa*.
Unidentified: *Compsilura*.

Family OECOPHORIDAE

Dasystoma: *Compsilura*.
Depressaria: *Dichaetoneura*, *Eusisyropa*, *Nemorilla*, *Xanthophyto*, *Tachinidae*.
Psilocorsis: *Elfia*, *Eulasiona*, *Eusisyropa*, *Psalidopteryx*, *Tachinidae*.

Family OLETHREUTIDAE

Ancylis: *Erynnia*, *Hemisturmia*, *Lixophaga*, *Nemorilla*.
Barbara: *Eribella*.
Endothenia: *Clausicella*.
Epiblema: *Clausicella*, *Dichaetoneura*, *Lixophaga*, *Lydella*, "Tachinophyto."
Epinotia: *Actia*, *Elfia*, *Eulasiona*, *Psalidopteryx*, *Schizactia*.
Episimus: *Actia*, *Nemorilla*, *Pseudoperichaeta*.
Eucosma: *Coloradomyia*, *Leskiomima*, *Lespesia*, *Psalidopteryx*.
Eumarozia: *Lixophaga*.
Evora: *Erynnia*, *Nemorilla*, *Pseudoperichaeta*.
Exartema: *Nemorilla*.
Grapholitha: *Actia*, *Admontia*, *Dichaetoneura*, *Elephantocera*, *Elodia*, *Erynnia*, *Leskiella*, *Leskiomima*, *Lespesia*, *Lixophaga*, *Nemorilla*, *Pseudoperichaeta*, *Strobliomyia*, *Tachinidae*.
Gretchena: *Eusisyropa*.
Griselda: *Psalidopteryx*.
Laspeyresia: *Aplomya*, *Chrysoexorista*, *Erynnia*, *Leskiella*, *Leskiomima*, *Lixophaga*, "Myiophasia," *Nilea*, "Tachinophyto."
Melissopus: *Carcelia*, *Elfia*, *Erynnia*, *Pseudoperichaeta*.
Petrova: *Lixophaga*, Gen. near *Oxynops*, *Phrynofrontina*.
Proteoteras: *Erynnia*.
Pseudexentera: *Cyzenis*, "Cyzenis," *Eulasiona*.
Rhopobota: *Nemorilla*.
Rhyacionia: *Erynnia*, *Lixophaga*, *Nemorilla*, *Urophyllopsis*, *Tachinidae*.
Sciaphila: *Ceromasia*, *Lypha*, *Madremyia*, *Xanthophyto*.
Spilonota: *Actia*, *Blondelia*, *Mericia*, *Nemorilla*, *Pseudoperichaeta*, *Winthemia*.
Suleima: *Clausicella*, *Lixophaga*.
Zeiraphera: *Phytomyptera*.
Unidentified: *Leskiella*.

Family OLETHREUTIDAE and/or PYRALIDAE

Olethreutid and/or pyralid (including *Laspeyresia* and/or *Dioryctria* probably): *Exorista*.

Family PAPILIONIDAE

Battus: *Compsilura*.

Papilio: *Buquetia*, *Compsilura*, *Lespesia*, Tachinidae.

Unidentified: *Compsilura*.

Family PIERIDAE

Ascia: *Prophryno*.

Colias: *Euphorocera*, *Lespesia*, "*Masicera*," "*Phorocera*."

Eucheira: *Eucheirophaga*, *Eusisyropa*, *Winthemia*.

Pieris: *Ceromasia*, *Chaetogaedia*, *Compsilura*, *Eucelatoria*, *Euphorocera*, *Gymnoclytia*, *Lespesia*, *Madremyia*, *Obolocera*, *Phryxe*, Tachinidae.

Zerene: Tachinidae.

Family PLUTELLIDAE

Harpipteryx: Tachinidae.

Family PSYCHIDAE

Oiketicus: *Lespesia*.

Thyridopteryx: *Archytas*, *Drino*, *Erynnia*, *Euphorocera*, *Eusisyropa*, *Patelloa*, "*Tachina*," Tachinidae.

Family PTEROPHORIDAE

Oidaematophorus: *Compsilura*, *Oxynops*, *Pseudosiphona*, *Tachinophyto*, Tachinidae.

Platyptilia: *Elfia*, *Hyalomyodes*.

Pterophorus: *Hemisturmia*.

Trichoptilus: Tachinidae.

Unidentified: *Eribella*.

Family PYRALIDAE

Acigona: "*Masicera*."

Acrobasis: *Didyma*, *Elfia*, *Eusisyropa*, *Exorista*, *Hemisturmia*,

- Hyphantrophaga*, *Leskiomima*, "Myiophasia," *Nemorilla*, *Schizotachina*, "Tachina," "Zenillia," Tachinidae.
- Agathodes:** *Eucelatoria*.
- Alatuncusia:** *Eusisyropa*.
- Alberada:** *Clausicella*.
- Asciodes:** *Nemorilla*.
- "Blepharomastix":** *Myobiopsis*.
- Canarsia:** *Eufrontina*.
- Chilo:** *Paratheresia*.
- Crambus:** *Aplomya*, *Euphorocera*, *Ormia* probably, *Phasiops*, *Stomatomyia*, "Tachina," Tachinidae.
- Desmia:** *Dejeaniopalpus*, *Erynnia*, *Exorista*, *Hyphantrophaga*, *Leskiomima*, *Lixophaga*, *Nemorilla*, *Pseudoperichaeta*, "Tachina," "Tachinophyto."
- Diaphania:** "Leskia," *Nemorilla*, *Stomatodexia*, *Thelaira*, Tachinidae.
- Diatraea:** "Hypostena," *Lespesia*, *Lixophaga*, *Metagonistylum*, *Nemorilla*, *Palpozenillia*, *Paratheresia*, "Phorocera," "Phorostoma," "Tachinophyto," Tachinidae.
- Dichogama:** *Eusisyropa*.
- Dioryctria:** *Aplomya*, *Elfia*, *Leskiomima*, Gen. near *Oxynops*, *Phrynofrontina*, *Phryxe*, *Xanthophyto*, Tachinidae.
- Elasmopalpus:** *Stomatomyia*.
- Etiella:** *Argyrophylax*, *Erynnia*.
- Eulepte:** *Argyrophylax*, *Carcelia*.
- Evergestis:** *Compsilura*, *Lespesia*, *Phryxe*.
- Galleria:** *Ceromasia*, *Lydella*.
- Hedylepta:** *Argyrophylax*, *Chaetogaedia*, *Drino*, *Eucelatoria*, *Lespesia*, *Nemorilla*, Tachinidae.
- Hellula:** *Nemorilla*, *Stomatomyia*.
- Herpetogramma:** *Eucelatoria*, *Nemorilla*.
- Homoesoma:** *Clausicella*, *Erynnia*, *Leskiomima*, *Lixophaga*.
- Hulstia:** *Nemorilla*, *Stomatomyia*.
- Hymenia:** *Argyrophylax*, *Chaetogaedia*, *Eucelatoria*, *Nemorilla*.
- Laniifera:** *Lespesia*, "Phorocera."
- Loxostege:** *Aplomya*, *Blondelia*, *Euphorocera*, *Eusisyropa*, *Hyphantrophaga*, *Lespesia*, *Lixophaga*, *Nemorilla*, *Oswaldia*, *Patelloa*, "Phorocera," *Phryxe*, *Pseudochaeta*, *Pseudoperichaeta*, *Stomatomyia*, *Winthemia*, Tachinidae.
- Macrobotys:** *Leskiomima*, *Myobiopsis*, *Pseudochaeta*, *Pseudoperichaeta*, Tachinidae.
- Maruca:** *Argyrophylax*, *Nemorilla*.
- Melitara:** *Coronimyia*, *Lespesia*, "Phorocera."
- Moodna:** *Coronimyia*, *Erynnia*.

- Nephopteryx:** *Aphria*, *Eusisyropa*, *Nemorilla*, *Phryxe*, Tachinidae.
Oebia: *Chaetogaedia*.
Olycella: *Lespesia*, "Phorocera."
Omphalocera: *Carcelia*, *Hyphantrophaga*.
Ostrinia: "Anisia," *Aplomya*, "Carcelia," *Ceromasia*, *Compsilura*,
Didyma, *Euexorista*, "Hypostena," *Lixophaga*, *Lydella*,
Madremyia, *Nemorilla*, *Paratheresia*, "Phorocera," *Phryxe*,
Pseudoperichaeta, *Pyraustomyia*, "Zenillia."
Pachyzancla: *Nemorilla*, *Pseudoperichaeta*.
Palpita: *Pseudochaeta*.
Pantographa: *Carcelia*, *Pseudoperichaeta*.
Parargyractis: *Ginglymia*.
Pempelia: *Hyphantrophaga*.
Phlyctaenia: *Aplomya*, *Nemorilla*, *Pseudoperichaeta*, Tachinidae.
Pilemia: *Argyrophylax*.
Pilocrocis: *Argyrophylax*, *Nemorilla*.
Plodia: *Clausicella*.
Pococera: *Nemorilla*.
Psara: *Argyrophylax*, *Nemorilla*.
Pyralis: *Elfia*, *Winthemia*.
Pyrausta: *Aplomya*, *Dejeaniopalpus*, *Elfia*, *Hyphantrophaga*,
Lespesia, *Lixophaga*, *Nemorilla*, *Pseudoperichaeta*, *Pyrausto-*
myia, *Stomatomyia*, Tachinidae.
Tetralopha: *Eufrontina*, *Eusisyropa*, *Frontiniella*, *Genea*,
Leskiomima, *Metopiops*, *Nemorilla*, Tachinidae.
Titanio: *Eucoronimyia*.
Tlascala: *Aphria*.
Udea: "Phorocera."
Zeadiatraea: *Lixophaga*, *Paratheresia*, "Phorostoma."
Cone moth(-s): *Elfia*, *Lydellohoughia*.
Phycitinae: *Coronimyia*.
Unidentified: *Drino*, *Hyphantrophaga*, *Leskiomima*, *Lespesia*,
Lixophaga, *Metopiops*, *Nemorilla*.

Family PYRALIDAE or TORTRICIDAE

Unidentified: *Coronimyia*.

Family SATURNIIDAE

- Actias:** *Cylindromyia*, *Lespesia*, *Winthemia*, Tachinidae.
Antheraea: *Belvosia*, *Compsilura*, *Euexorista*, *Lespesia*, *Patelloa*,
 "Tachina," *Winthemia*, Tachinidae.

Attacus: *Lespesia*.

Automeris: *Belvosia*, *Carcelia*, *Compsilura*, *Euphorocera*, *Lespesia*, *Sisyropa*, Tachinidae.

Callosamia: *Compsilura*, *Euphorocera*, *Eusisyropa*, *Exorista*, *Lespesia*, "*Tachina*," *Winthemia*, Tachinidae.

Coloradia: *Leschenaultia*.

Copaxa: *Belvosia*.

Hemileuca: *Argyrophylax*, *Belvosia*, *Carcelia*, *Compsilura*, *Drino*, *Euphorocera*, *Exorista*, *Leschenaultia*, *Lespesia*, *Phryxe*, "*Sturmia*" probably, *Winthemia*, Tachinidae.

Hyalophora: *Belvosia*, *Lespesia*.

Hylesia: *Belvosia*.

Platysamia: *Compsilura*, *Euphorocera*, *Eusisyropa*, *Lespesia*, "*Tachina*," *Winthemia*, Tachinidae.

Rothschildia: *Belvosia*, *Lespesia*.

Samia: *Lespesia*, *Winthemia*.

Saturnia: *Euphorocera*.

Syssphinx: *Lespesia*.

Unidentified: *Compsilura*.

Family SCYTHRIDAE

Scythris: *Psalidopteryx*.

Family SPHINGIDAE

Agrius: *Argyrophylax*, *Belvosia*, *Chaetogaedia*, *Drino*, *Metaplagia*, Tachinidae.

Ampeloeca: *Compsilura*.

Amphion: *Compsilura*, *Drino*.

Atreides: *Compsilura*.

Ceratomia: *Argyrophylax*, *Belvosia*, *Compsilura*, *Drino*, *Euphorocera*, *Eusisyropa*, *Hyphantrophaga*, *Lespesia*, *Winthemia*, Tachinidae.

Cressonia: *Winthemia*, Tachinidae.

Deidamia: *Compsilura*.

Hemaris: *Compsilura*, Gen. near *Thysanomyia*, *Winthemia*, Tachinidae.

Hyles: *Compsilura*, *Drino*, "*Tachina*," *Winthemia*, Tachinidae.

Manduca: *Atacta*, *Carcelia*, *Compsilura*, *Drino*, *Lespesia*, "*Masicera*," *Metavoria*, "*Sturmia*," *Winthemia*.

Pachysphinx: *Lespesia*, *Winthemia*, Tachinidae.

Paonias: *Compsilura*, *Leschenaultia*, *Lespesia*, *Winthemia*, Tachinidae.

Pholus: *Argyrophylax*, *Compsilura*, *Drino*, *Lespesia*, *Winthemia*, Tachinidae.

Smerinthus: *Compsilura*, *Eusisyropa*, *Lespesia*, "Prosopaea," Tachinidae.

Sphecodina: *Compsilura*, *Eusisyropa*.

Sphinx: *Compsilura*, *Drino*, *Euphorocera*, *Leschenaultia*, *Lespesia*, *Metaplagia*, *Winthemia*, Tachinidae.

Hawk moth(-s): *Belvosia*.

Sphinx moth(-s): *Drino*.

Unidentified: *Compsilura*, *Drino*, *Leschenaultia*, *Lespesia*, *Winthemia*, "Zenillia."

Family STENOMIDAE

Antaeotricha: Tachinidae.

Stenoma: *Lixophaga*.

Family THYATIRIDAE

Pseudothyatira: Tachinidae.

Family TINEIDAE

Amydria: *Drepanoglossa*, *Philocalia*, *Trepophrys*.

Unidentified: *Schizactia*, "Tachinophyto."

Family TORTRICIDAE

Acleris: *Actia*, *Blondelia*, *Chaetophlepsis*, *Erynnia*, *Hemisturmia*, *Madremyia*, *Nemorilla*, *Phryxe*, *Psalidopteryx*.

Adoxophyes: *Nemorilla*.

Amorbia: *Actia*, *Aplomya*, *Nemorilla*, *Pseudoperichaeta*.

Aphelia: *Nemorilla*, *Phryxe*.

Archippus: *Actia*, *Nemorilla*.

Archips: *Actia*, *Aplomya*, *Bessa*, *Blondelia*, *Carcelia*, *Ceromasia*, *Compsilura*, *Dichaetoneura*, *Erynnia*, *Eulasiona*, *Eusisyropa*, *Exorista*, *Hemisturmia*, Gen. near *Lydinolydella*, *Nemorilla*, *Nilea*, *Paralispe*, *Phryxe*, *Pseudoperichaeta*, *Schizocerophaga*, Tachinidae.

Argyrotaenia: *Aplomya*, *Elfia*, *Eusisyropa*, *Hemisturmia*, *Nemorilla*, "Phorocera," *Pseudoperichaeta*.

Choristoneura: *Actia*, *Aplomya*, *Ceromasia*, *Chaetophlepsis*, *Compsilura*, *Erynnia*, *Hemisturmia*, *Lypha*, *Madremyia*, *Nemorilla*, *Omotoma*, "Phorocera," *Phryxe*, *Pseudoperichaeta*,

"*Sturmia*," *Tachinomyia*, *Winthemia*, *Xanthophyto*, Tachinidae.

Croesia: *Actia*, *Lypha*, *Schizotachina*.

Pandemis: *Aplomya*, *Icteriphyto*, *Nemorilla*.

Phaecasiophora: *Aplomya*.

Phalonia: *Actia*, *Elfia*, *Lixophaga*.

Platynota: *Erynnia*.

Sparganothis: *Blondelia*, *Erynnia*, *Lypha*, *Nemorilla*, Tachinidae.

Xenotemna: *Actia*, *Lixophaga*.

Leaf roller(-s): *Dejeaniopalpus*, *Periscepsia*, *Pseudoperichaeta*.

Tortricid (including *Amorbia*, *Archips*, *Argyrotaenia*, *Choristoneura* and/or *Pandemis*): *Aplomya*, *Pseudoperichaeta*.

Tortricid (including *Archips* and/or *Choristoneura*): *Aplomya*.

Unidentified: *Actia*, *Bessa*, *Blondelia*, *Erynnia*, *Eusisyropa*, *Hemisturmia*, *Nemorilla*.

Family YPONOMEUTIDAE

Mapsidius: *Lespesia*.

Urodus: *Euceromasia*, *Eusisyropa*, Tachinidae.

Yponomeuta: *Nemorilla*.

Family ZYGAENIDAE

Acoloithus: *Sturmia*.

Harrisina: *Euphorocera*, "*Phorocera*," *Sturmia*.

Unidentified: *Euphorocera*.

UNIDENTIFIED LEPIDOPTERA

Burrowing webworm(-s): *Paradidyma*.

Butterfly(-flies): *Acroglossa*.

Cabbage worm(-s): *Compsilura*, *Lespesia*.

Corn stalk borer(-s): *Archytas*.

Green looper(-s): *Euphorocera*, *Voria*.

Hog moth(-s): "*Phorocera*."

Leaf-folder caterpillar(-s): *Myobiopsis*.

Leaf tier(-s): *Psalidopteryx*.

Looper(-s): *Madremyia*.

Moth(-s): *Sisyropa*, "*Tachina*," *Tachinomyia*.

Moth stalkborer(-s): *Lixophaga*.

Oakworm(-s): *Eusisyropa*.

Tuber moth(-s): *Lydellohoughia*.

Unidentified: *Aplomya*, *Archytas*, *Belvosia*, *Carcelia*, *Ceromasia*, *Chaetogaedia*, *Compsilura*, *Deopalpus*, *Erynnia*, *Euexorista*,

Euphorocera, *Eusisyropa*, *Exorista* probably, *Leschenaultia*, *Lespesia*, *Lixophaga*, *Lydella*, *Madremyia*, *Mericia*, *Mochlosoma*, *Nemorilla*, *Paradejeania*, *Patelloa*, *Peleteria*, *Phryxe*, *Pseudomyothyria*, *Spathimeigenia*, "Tachina," *Winthemia*, Tachinidae.

Order ORTHOPTERA

Family ACRIDIDAE

Ageneotettix: Tachinidae.

Boopedon: *Hemithrixion*.

Camnula: *Ceracia*, *Hemithrixion*, Tachinidae.

Chimarocephala: *Ceracia*, Tachinidae.

Chortophaga: *Ceracia*.

Dissosteira: *Hemithrixion* probably, *Lespesia*, *Trichopoda*, Tachinidae.

Melanoplus: *Acemya*, *Ceracia*, *Euphorocera*, *Hemithrixion*, *Lespesia*, *Leucostoma*, Tachinidae.

Orphulella: Tachinidae.

Psoloessa: *Ceracia*.

Schistocerca: *Oedematocera*.

Spharagemon: Tachinidae.

Grasshopper(-s): *Acemya*, *Ceracia*, *Cylindromyia*, *Euphorocera*, *Hemithrixion*, *Leucostoma*, *Winthemia*, Tachinidae.

Locust(-s): *Lespesia*, Tachinidae.

Unidentified: *Cylindromyia*, *Trichopoda*, Tachinidae.

Family BLATTIDAE

Epilampra: *Calodexia*.

Eublaberus: *Calodexia*.

Periplaneta: *Miamimyia*.

Cockroach(-es): *Calodexia*.

Family GRYLLACRIDIDAE

Ceuthophilus: *Oedematocera*.

Stenopelmatus: *Stomatomyia*.

Family GRYLLIDAE

Anurogryllus: *Exoristoides*, *Theresiini*.

Eneoptera: *Calodexia*.

Gryllus: *Euphasiopteryx*, *Exoristoides*.

Ponca: *Calodexia*.

Cricket(-s): *Calodexia*, *Gilvella*.

Family MANTIDAE

Stagmomantis: Tachinidae.

Tenodera: *Trichopoda*.

Family PHASMATIDAE

Anisomorpha: *Phasmophaga*, *Roeseliopsis*.

Bacillus: "Tachina," Tachinidae.

Diapheromera: *Euhalidaya*, *Phasmophaga*, "Tachina," Tachinidae

Family TETTIGONIIDAE

Neoconocephalus: *Beskia*, *Euphasiopteryx*.

Unidentified: *Calodexia*.

UNIDENTIFIED ORTHOPTERA

Pictured sand cricket(-s): *Stomatomyia*.

Unidentified: *Euphasiopteryx*.

Class Chilopoda

Order GEOPHILOMORPHA

Family GEOPHILIDAE

Geophilus probably: *Exoristoides*.

Class Crustacea

Order ISOPODA

Family ONISCIDAE

Oniscus: *Melanophora*.

Porcellio: *Melanophora*.

Class Mammalia

Order RODENTIA

UNIDENTIFIED RODENTIA

Mouse (mice): *Leschenaultia*, *Parachaeta*.

HOSTS

The hosts are arranged alphabetically by generic and nonscientific names. Following these names, the order and family assignments are in parentheses. Specific names of hosts are listed alphabetically within each genus. Parasite names follow the host names. Synonyms, obsolete names, and incorrect spellings of host names are cross indexed to currently accepted names, with misspellings enclosed by quotation marks. For convenience, the common names of insects approved by the Entomological Society of America (Blickenstaff, 1970) for all host scientific names used in this catalog are cross indexed.

Acalymma (Col.: Chrysomelidae)

trivittata: *Celatoria diabroticae*.

vittata: *Celatoria diabroticae*, *C. setosa*, Tachinidae.

Acanthocephala (Hem. (Heter.): Coreidae)

declivis: *Trichopoda pennipes*.

femorata: *Trichopoda lanipes*, *T. pennipes*.

terminalis: *Trichopoda plumipes*, *T. spp.*

spp.: *Trichopoda pennipes*.

"*Acanthocephalus*" *femorata*, see *Acanthocephala femorata*

Acantholyda (Hym.: Pamphiliidae)

spp.: *Aplomya fronto*.

Achaea (Lep.: Noctuidae)

janata: *Chaetogaedia monticola*, *Eucelatoria armigera*,
"Winthemia diversoides."

Achatodes (Lep.: Noctuidae)

zeae: *Lydella radialis*, *L. radialis* probably, *Nemorilla pyste*.

Acigona (Lep.: Pyralidae)

dentilineatella: "Masicera tantilla."

Acleris (Lep.: Tortricidae)

minuta: *Blondelia eufitchiae*, *Hemisturmia tortricis*, *Nemorilla pyste*.

variana: *Actia diffidens*, *A. interrupta*, *Chaetophlepsis semiothisae*, *Erynnia tortricis*, *E. spp.*, *Hemisturmia tortricis*, *Madremyia saundersii*, *Nemorilla pyste*,
Phryxe pecosensis, *Psalidopteryx pseudonuda*.

variegana: *Actia interrupta*.

Acoloithus (Lep.: Zygaenidae)

sp.: *Sturmia harrisinae* probably.

Acorn *Carpocapsa* [sp.], see *Melissopus latiferreanus*

Acrididae (Orth.: Acrididae)

Unidentified: *Cylindromyia euchenor*, *Trichopoda plumipes*,
Tachinidae.

Acridiidea G[enus], see Acrididae, unidentified

Acrobasis (Lep.: Pyralidae)

betulella: *Nemorilla pyste*, Tachinidae.

caryae: *Didyma exigua*, *Eusisyropa boarmiae*, *Hyphantrophaga hyphantriae*, "Myiophasia atra," *Nemorilla pyste*, "Zenillia" spp., Tachinidae.

caryvorella: *Nemorilla pyste*.

comptoniella: *Elfia palpigera*, *Eusisyropa blanda*, *Nemorilla pyste*, *Schizotachina convecta*.

coryliella: *Nemorilla pyste*.

indigenella: *Eusisyropa boarmiae*, *Exorista* spp., *Hemisturmia tortricis*, *Leskiomima tenera*, *Nemorilla pyste*, *N. sp.* near *pyste*, "Tachina" spp.

indigenella probably: *Eusisyropa boarmiae*.

juglandis, see *A. indigenella* probably or *A. juglandis*.

juglandis: *Leskiomima tenera*, *Nemorilla pyste*.

nebulella, see *A. indigenella*.

"nubilella," see *A. indigenella* probably.

rubrifasciella: *Nemorilla pyste* probably.

sp.: *Eusisyropa boarmiae* probably.

Acronicta (Lep.: Noctuidae)

sp. near afflicta: "Exorista" *lobeliae*.

americana: *Compsilura concinnata*, *Exorista mella*, *E. spp.*

americana probably: *Mystacella* spp.

betulae: "Exorista" *sp.* near *lobeliae*, *Tachinomyia sp.* near *panaetius*, *T. spp.*, "Zenillia" spp.

brumosa: *Compsilura concinnata*.

dactylina: *Compsilura concinnata*, *Eusisyropa virilis*.

fragilis: *Compsilura concinnata*.

furcifera: *Compsilura concinnata*, "Zenillia" spp., Tachinidae.

grisea: *Compsilura concinnata*, *Eusisyropa virilis*, "Exorista" *lobeliae*.

hamamelis: *Carcelia formosa*, *Euphorocera claripennis*, "Exorista" *lobeliae*, *Sisyropa eudryae*.

hasta: *Compsilura concinnata*.

hastulifera: *Sisyropa* spp.

impleta: *Compsilura concinnata*, *Eumasicera sp.* near *sternalis*, *Sisyropa eudryae* probably, *Winthemia datanae* probably.

impressa: *Compsilura concinnata*, *Eusisyropa virilis*, *Nilea sternalis*, Tachinidae.

- interrupta*: *Archytas aterrimus*, *Nilea* sp. near *noctuiiformis*.
lanceolaria: *Compsilura concinnata*, *Lespesia* spp.
leporina: *Tachinomyia nigricans*.
leporina vulpina: *Eusisyropa virilis*.
lepusculina: *Exorista mella*, *E.* spp., Tachinidae.
lobeliae: "*Exorista*" *lobeliae*.
longa: "*Zenillia*" spp.
"oblinata," see *A. oblinita*.
"obliniata," see *A. oblinita*.
oblinita: *Compsilura concinnata*, *Eusisyropa virilis*, "*Nemorilla trivittata*" probably.
occidentalis, see *A. interrupta*.
ovata: *Archytas aterrimus*.
rubricoma: *Exorista mella*.
superans: *Compsilura concinnata*, Tachinidae.
spp. (including *A. leporina* and/or *A. lepusculina*): *Eusisyropa virilis*.
spp.: *Compsilura concinnata*, *Eumasicera* sp. near *sternalis*, "*Exorista*" *lobeliae*, *E. mella*, *Sisyropa eudryae*, *S. eudryae* probably, "*Zenillia*" spp.

Acronycta, see *Acronicta* species of same name except as noted

Acronycta chionochroa and/or *A. leporina*, see *Acronicta* spp.
(including *A. leporina* and/or *A. lepusculina*)

Acronycta luteicoma, see *Acronicta impleta*

Acronycta populi, see *Acronicta lepusculina*

Acrosternum (Hem. (Heter.): Pentatomidae)

hilare: *Trichopoda pennipes*.

pennsylvanicum: *Trichopoda pennipes*.

Actebia (Lep.: Noctuidae)

fennica: *Chaetogaedia monticola*, *Euphorocera claripennis*, *Periscepsia helymus*, Tachinidae.

Actias (Lep.: Saturniidae)

luna: *Cylindromyia binotata*, *Lespesia frenchii*, *Winthemia cecropia*, Tachinidae.

Adisophanes miscellus, see *Catabena lineolata*

Adoneta (Lep.: Limacodidae)

spinuloides: *Carcelia* spp.

Adoretus (Col.: Scarabaeidae)

spp.: *Prosenia* spp.

Adoxophyes (Lep.: Tortricidae)

furcatana: *Nemorilla pyste*.

Aegeriidae (Lep.: Aegeriidae)

Unidentified: *Eulasiona genalis*.

Agapema galbina, see *Saturnia galbina*

Agathodes (Lep.: Pyralidae)

monstralis: *Eucelatoria australis*.

Agathymus (Lep.: Megathymidae)

aryxna, see *A. neumogeni*.

baueri: "*Phorocera*" *texana*.

chisosensis: "*Phorocera*" *texana*.

evansi: "*Phorocera*" *texana*.

freemani: "*Phorocera*" *texana*.

neumogeni: "*Phorocera*" *texana*.

Ageneotettix (Orth.: Acrididae)

deorum: Tachinidae.

Aglais antiopa, see *Nymphalis antiopa*

Aglais milberti, see *Nymphalis milberti*

Agraulis (Lep.: Nymphalidae)

vanillae: *Euphorocera claripennis*.

vanillae incarnata: *Compsilura concinnata*, *Euphorocera claripennis*.

Agrioconota (Col.: Chrysomelidae)

bivittata: *Eucelatoriopsis dimmocki*.

Agrius (Lep.: Sphingidae)

cingulatus: *Agryrophylax* spp., *Belvosia bifasciata*, *Chaetogaedia monticola*, *Drino inca*, *D. incompta*, *D. rhoeo*.

cingulatus probably: *Drino inca*.

convolvuli: *Drino rhoeo*, *Metaplagia occidentalis*, Tachinidae.

Agrotid sp., see *Agrotis* spp.

Agrotidian(-s) (Lep.: Noctuidae)

Unidentified: *Winthemia leucanae* lacking red at tip.

Agrotis (Lep.: Noctuidae)

cinctipennis, see *Peridroma cinctipennis cinctipennis*.

c-nigrum, see *Amathes c-nigrum*.

cochrani, see *Euxoa messoria* or *E. messoria* probably.

coniotis, see *Peridroma coniotis* or *P. coniotis coniotis*.

crinigera: *Lespesia archippivora*.

dislocata: *Chaetogaedia monticola*, *Lespesia archippivora*, Tachinidae.

fennica, see *Actebia fennica*.

gladiaria: *Bonnetia comta*.

inermis, see *Peridroma saucia*.

ipsilon: *Archytas cirphis*, *Bonnetia comta*, *Carcelia formosa*, *Chaetogaedia monticola*, *Eucelatoria armigera*, *Euphorocera claripennis*, *Gonia longipulvilli*, *G. sequax*, *G. spp.*, *Lespesia archippivora*, *Madremyia saundersii*, *Sisyropa eudryae*, *S. spp.*, *Tachinomyia panaetius*.

ipsilon probably: *Archytas marmoratus*.

malefida: *Bonnetia comta*, *Gonia longipulvilli*.

orthogonia: *Bonnetia comta*, *Gonia aldrichi*, *G.* sp. near *aldrichi*, *G. longiforceps*, *G. longipulvilli*, *G.* spp., *Mericia* spp., *Peleteria texensis*, *P.* spp., *Periscepsia rohweri*.

smithii, see *Amathes smithii*.

sp. near *subgothica*, see *Feltia* sp. near *subgothica*.

telifera, see *A. ipsilon*.

unicolor, see *Spaelotis clandestina*.

venerabilis: *Bonnetia comta*.

vetusta: "*Linnaemya picta*."

ypsilon, see *A. ipsilon*.

spp.: *Chaetogaedia crebra*, *Gonia* spp., *Periscepsia helymus*.

sp. probably: *Periscepsia* spp.

Alabama (Lep.: Noctuidae)

argillacea: *Beskia aelops*, *Euphorocera claripennis*, *E. floridensis*, *Eusisyropa blanda*, *E. boarmiae*, "*Exorista*" *lobeliae*, *Lespesia aletiae*, *Patelloa leucaniae*, "*Tachina*" spp., *Triachora unifasciata*, Tachinidae.

"*argillicae*," see *A. argillacea*.

"*argillicea*," see *A. argillacea*.

Alatuncusia (Lep.: Pyralidae)

bergi: *Eusisyropa blanda*.

Alberada (Lep.: Pyralidae)

parabates: *Clausicella floridensis*.

Alcaeorrhynchus (Hem. (Heter.): Pentatomidae)

grandis: *Trichopoda pennipes*.

Aletia (Lep.: Noctuidae)

argillacea, see *Alabama argillacea*.

xylina, see *Alabama argillacea*.

spp.: "*Prosopaea*" sp., Tachinidae.

Alfalfa caterpillar, see *Colias eurytheme*

Alfalfa looper, see *Autographa californica*

Alfalfa webworm, see *Loxostege commixtalis*

Alfalfa weevil, see *Hypera postica*

Allantus (Hym.: Tenthredinidae)

cinctus: *Guerinia dydas*.

Alsophila (Lep.: Geometridae)

pometaria: *Blondelia eufitchiae*, *Cyzenis albicans*, *Gonia sagax*, *Ictericophyto spinosa*, *Omotoma fumiferanae*, *Phryxe pecosensis*, *P. vulgaris*, *Pseudotachinomyia slossonae*, *Tachinomyia nigricans*, *T.* spp., *Winthemia rufopicta*, Tachinidae.

Altica (Col.: Chrysomelidae)

bimarginata: *Hyalomyodes triangulifer*.

chalybea: *Medina barbata*.

corni: *Medina barbata*.

probata: Tachinidae.

ulmi: *Medina barbata*.

spp.: *Medina barbata*.

Alypia (Lep.: Noctuidae)

octomaculata: *Aplomya pheosiae*, *Carcelia* spp., *Chaetophlepsis eudryae*, *Compsilura concinnata*, *Drino inconspicua*, *Lespesia archippiwora*, *Sisyropa alypiae*, *S. alypiae* probably, *Winthemia quadripustulata*, *W. rufopicta*, Tachinidae.

spp.: *Sisyropa eudryae*.

Amathes (Lep.: Noctuidae)

c-nigrum: *Euphorocera claripennis*, *Winthemia quadripustulata*, *W. rufopicta* probably.

smithii: *Linnaemya tessellata*, *Periscepsia helymus*.

Amauronematus (Hym.: Tenthredinidae)

spp.: *Bessa harveyi*.

American cockroach, see *Periplaneta americana*

American dagger moth, see *Acronicta americana*

American tent caterpillar(-s) (Lep.: Lasiocampidae)

American tent caterpillar(-s): *Carcelia malacosomae* probably, *Compsilura concinnata*, *Lespesia frenchii*, Tachinidae.

Ametastegia (Hym.: Tenthredinidae)

pallipes: *Bessa harveyi*.

Amorbia (Lep.: Tortricidae)

cuneana: *Actia interrupta*.

emigratella: *Nemorilla pyste*.

essigana: *Pseudoperichaeta erecta*, *P. erecta* probably.

humerosana: *Aplomya caesar*.

humerosana, *Archips argyrospila*, *A. fractivittana*, *A. rosaceana*, *A. semiferana*, *Eulia quadrifasciana* and/or *Pandemis limitata*, see Tortricid spp. (including *Amorbia humerosana*, *Archips argyrosphilus*, *A. semiferanus*, *Argyrotaenia quadrifasciana*, *Choristoneura fractivittana*, *C. rosaceana* and/or *P. limitata*).

Ampeloeca (Lep.: Sphingidae)

myron: *Compsilura concinnata*.

Ampelogypter (Col: Curculionidae)

sesostris: *Myiophasia "aenea."*

"*sesostris*," see *A. sesostris*.

Ampelophaga myron, see *Ampeloeca myron*

Amphicerus (Col.: Bostrichidae)

bicaudatus: *Lixophaga variabilis*.

Amphidasis cognataria, see *Biston cognataria***"Amphidosia" cognataria**, see *Biston cognataria***Amphion** (Lep.: Sphingidae)

nessus: *Compsilura concinnata*, *Drino* sp. near *bakeri*.

Amphipyra (Lep.: Noctuidae)

pyramidoides: *Compsilura concinnata*, *Mericia* spp., *Omotoma fumiferanae*, *Winthemia rufopicta* probably, Tachinidae.

Amydria (Lep.: Tineidae)

"*effrenatella*," see *A. effrentella*.

effrentella: *Philocalia tenuirostris*.

spp.: *Drepanoglossa amydriae*, *Trepophrys cinerea*.

Amyna (Lep.: Noctuidae)

natalis: *Eucelatoria armigera*.

Anacampsis (Lep.: Gelechiidae)

innocuella: *Lypha intermedia*.

Anacamptodes (Lep.: Geometridae)

clivinaria profanata: *Blondelia* spp.

ephyraria: *Eusisyropa virilis*.

fragilaria: *Lespesia archippivora*, "*Winthemia diversoides*."

[sp.], see *A. fragilaria*.

"Anacaptodes" fragilaria, see *Anacamptodes fragilaria***Anaea** (Lep.: Nymphalidae)

andria: *Euphorocera edwardsii*.

glycerium: *Lespesia archippivora*.

Anarsia (Lep.: Gelechiidae)

lineatella: *Erynnia tortricis*, *Euphorocera claripennis*, *Psaliidopteryx pollinosa*.

Anasa (Hem. (Heter.): Coreidae)

armigera: *Trichopoda pennipes*, *T. pennipes* probably.

tristis: *Trichopoda pennipes*, Tachinidae.

spp.: *Trichopoda pennipes*, *T.* spp.

Ancylis (Lep.: Olethreutidae)

comptana: *Erynnia tortricis*, *Hemisturmia tortricis*, *Lixophaga variabilis*, *Nemorilla pyste*.

comptana floridana: *Erynnia tortricis*.

comptana fragariae: *Erynnia tortricis*, *Nemorilla pyste*.

floridana, see *A. comptana floridana*.

Anisolabis (Dermaptera: Carcinophoridae)

maritima probably: Tachinidae.

Anisomorpha (Orth.: Phasmatidae)

buprestoides: *Phasmophaga antennalis* probably, *P. meridionalis*, *Roeseliopsis americana*.

Anisopteryx vernata, see *Paleacrita vernata*

Anisota (Lep.: Citheroniidae)

rubicunda: *Belvosia bifasciata*, *B. sp.*, *Compsilura concinnata*, *Eumasicera sternalis*, *Euphorocera claripennis*, *Eusisyropa blanda*, *Lespesia datanarum*, *L. frenchii*, *L. spp.*, "Masicera" spp., *Pacidianus persimilis*, "Sturmia" spp., *Winthemia datanae*.

sp. near rubicunda: *Belvosia bifasciata*, *Euphorocera floridensis*.

senatoria: *Belvosia bifasciata*, *Compsilura concinnata*, *Eumasicera sternalis*, *Euphorocera claripennis*, *Hyphantrophaga hyphantriae*, *Lespesia datanarum*, *L. frenchii*, *L. spp.*, *Oswaldia aurifrons*, "Sturmia" spp., *Winthemia datanae*, *W. sp. near datanae*, *W. quadripustulata*, Tachinidae.

virginiensis: *Compsilura concinnata*, *Lespesia datanarum*, *L. frenchii*, *Pacidianus sp.*, Tachinidae.

spp.: *Compsilura concinnata*, *Lespesia datanarum*.

Anomala (Col.: Scarabaeidae)

spp.: *Prosenia spp.*

Anomis (Lep.: Noctuidae)

erosa: *Eusisyropa blanda* probably, *Lixophaga variabilis*.

hawaiiensis: *Chaetogaedia monticola*, *Lespesia archippivora*.

noctivolans: *Chaetogaedia monticola*, *Lespesia archippivora*.

Anoplonyx (Hym.: Tenthredinidae)

canadensis: *Bessa harveyi*.

luteipes: *Bessa harveyi*.

spp.: *Bessa harveyi*.

Anosia plexippus, see *Danaus plexippus plexippus*

Antaeotricha (Lep.: Stenomidae)

leucillana: Tachinidae.

"**Antheracea**" *polyphemus*, see *Antheraea polyphemus*

Antheraea (Lep.: Saturniidae)

polyphemus: *Belvosia bifasciata*, *Compsilura concinnata*, *Euexorista futilis*, *Lespesia datanarum*, *L. frenchii*, *L. sabroskyi*, *L. spp.*, *Patelloa fuscimacula*, "Tachina" spp., *Winthemia cecropia*, *W. quadripustulata*, Tachinidae.

Anthonomus (Col.: Curculionidae)

grandis: *Myiophasia "aenea," M. globosa*.

Anthophila (Lep.: Glyphipterygidae)

pariana: *Hemisturmia tortricis*, *Nemorilla pyste*.

Anticarsia (Lep.: Noctuidae)

gemmatalis: *Euphorocera floridensis*, *Gonia spp.*, Gen. and sp.

of Sturmiini, *Voria ruralis*, *Winthemia rufopicta*.

"*gemmatilis*," see *A. gemmatilis*.

Anurogryllus (Orth.: Gryllidae)

muticus: *Exoristoides* sp., Gen. and sp. of Theresiini.

Apamea (Lep.: Noctuidae)

apamiformis: *Euexorista futilis*.

lignicolor: *Nowickia algens*.

"**Apantesia**" *phyllira*, see *Apantesis phyllira*

Apantesis (Lep.: Arctiidae)

blakei superba, see *A. nevadensis superba*.

nevadensis superba: *Exorista mella*.

oithona: *Euexorista futilis*, *Euphorocera claripennis*, *E. floridensis*, *Exorista mella*.

ornata: *Carcelia malacosomae* probably.

ornata var. *achaia*, see *A. ornata*.

phalerata: *Euexorista futilis*.

phyllira: *Exorista mella*, *Gymnocarcelia ricinorum*.

proxima: *Carcelia laxifrons*, *C. malacosoma* probably, *Euphorocera claripennis*.

rectilinea, see *A. oithona*.

Apatela, see *Acronicta* species of same name

Apatura *clyton*, see *Asterocampa clyton*

Apatura sp., see *Asterocampa* sp.

Aphelia (Lep.: Tortricidae)

alleniana: *Nemorilla pyste*, *Phryxe pecosensis*.

Apple-and-thorn skeletonizer, see *Anthophila pariana*

Apple tree tent caterpillar(-s) (Lep.: Lasiocampidae)

Apple tree tent caterpillar(-s): *Euphorocera claripennis*, *E. tachinomoides*, *Exorista mella*.

Apple twig borer, see *Amphicerus bicaudatus*

"**Arachnara**" *oblonga*, see *Archanara oblonga*

Arachnis (Lep.: Arctiidae)

picta: *Carcelia malacosomae* probably, *Leschenaultia adusta*, *Sisyropa* spp.

Archanara (Lep.: Noctuidae)

oblonga: *Ceromasia* spp., *Lydella radialis*.

subcarnea, see *A. oblonga*.

Archimerus (Hem. (Heter.): Coreidae)

alternatus: *Trichopoda lanipes*, *T. pennipes*, *T. pennipes* complex.

calcarator: *Trichopoda pennipes*.

Archippus (Lep.: Tortricidae)

packardianus: *Actia interrupta*, *Nemorilla pyste*.

Archips (Lep.: Tortricidae)

argyrospilus: *Actia interrupta*, *Aplomya caesar*, *A. caesar* probably, *Carcelia malacosomae* probably, *Compsilura concinnata*, *Eusisyropa blanda*, *Hemisturmia tortricis*, *Nemorilla pyste*, *Paralispe infernalis*, *Phryxe pecosensis*, *P. vulgaris*, *Pseudoperichaeta erecta*, Tachinidae.

cerasivorana rileyana, see *A. rileyanus*.

cerasivoranus: *Actia* sp. near *interrupta*, *Ceromasia auricaudata*, *Compsilura concinnata*, *Dichaetoneura leucoptera*, *Erynnia tortricis*, *Eusisyropa blanda*, *Hemisturmia tortricis*, *Nemorilla pyste*, *Nilea sternalis*, *Phryxe pecosensis*, *Pseudoperichaeta erecta*, *Schizocerophaga leibyi*.

conflictana, see *Choristoneura conflictana*.

"*fervadana*," see *A. fervidanus*.

"*fervadona*," see *A. fervidanus*.

fervidanus: *Actia* sp. near *interrupta*, *Dichaetoneura leucoptera*, *Erynnia tortricis*, *Eusisyropa blanda*, *E. boarmiae*, *Exorista* spp., *Nemorilla pyste*.

fumiferana, see *Choristoneura fumiferana*.

griseus: *Nemorilla pyste*.

infumatanus: *Blondelia* sp. near *polita*, *Phryxe pecosensis*.

parallela, see *Choristoneura parallela*.

"*practivittana*," see *Choristoneura fractivittana*.

purpuranus: *Aplomya caesar*, *Nemorilla pyste*, *Pseudoperichaeta erecta*.

rileyanus: *Hemisturmia tortricis*.

rosaceana, see *Choristoneura rosaceana*.

rosanus: *Actia interrupta*, *Aplomya caesar*, *Erynnia tortricis*, *Eulasiona nigra*, Gen. and sp. near *Lydinolydella*, *Nemorilla pyste*, *Pseudoperichaeta erecta*.

semiferanus: *Aplomya caesar*.

spp. (including *A. argyrospilus* and/or *A. griseus*): *Actia interrupta*, Tachinidae.

spp.: *Aplomya caesar*, *Bessa harveyi*, *Blondelia* spp.

spp. probably: Tachinidae.

Arctia docta, see *Apantesis proxima*

Arctia phyllira, see *Apantesis phyllira*

Arctiidae (Lep.: Arctiidae)

Unidentified: *Bombyliopsis abrupta*, *Carcelia laxifrons*, *C. reclinata*, *C.* spp., *Chaetogaedia analis*, *Compsilura concinnata*, "*Gonia sagax*," *Gymnocarcelia ricinorum*, *Hubneria estigmenensis*, *Leschenaultia adusta*,

L. grossa, *Lespesia aletiae*, *Sisyropa eudryae*, *Thelaira* spp., *Winthemia datanae*.

Unidentified probably: "*Phorocera victoria*."

Arge (Hym.: Argidae)

clavicornis abdomen yellow, see *A. clavicornis* complex.

clavicornis complex: *Aporotachina chaetoneura*, *Bessa harveyi*, *Lydella* sp. probably.

humeralis: *Spathimeigenia hylotomae*.

pectoralis: *Aporotachina dexina*, *Bessa harveyi*, *Spathimeigenia spinigera*.

rubiginosa: *Bessa harveyi*, *Spathimeigenia hylotomae*.

spp.: *Bessa harveyi*, *Spathimeigenia hylotomae*, "*Sturmia*" sp.

Argus tortoise beetle, see *Chelymorpha cassidea*

Argynnis cybele, see *Speyeria cybele*

Argyrotaenia (Lep.: Tortricidae)

citrana: *Aplomya caesar*, *Elfia* sp. near *palpiger*, "*Phorocera parva*," *Pseudoperichaeta erecta*.

mariana: *Eusisyropa blanda*, *Pseudoperichaeta erecta*.

quadrifasciana: *Aplomya caesar*.

velutinana: *Hemisturmia tortricis*, *Nemorilla pyste*.

Aristotelia (Lep.: Gelechiidae)

roseosuffusella: *Schizactia vitinervis*.

Army cutworm, see *Euxoa auxiliaris*

Armyworm, see *Pseudaletia unipuncta*

Armyworm(-s) (Lep.: Noctuidae)

Armyworm(-s) (including *Pseudaletia unipuncta* and/or *Spodoptera mauritia*): *Archytas cirphis*, *Chaetogaedia monticola*, *Lespesia archippivora*.

Armyworm(-s): *Archytas cirphis*, *A. marmoratus*, *A.* spp. (including *A. apicifer* and/or *A. californiae*), *A.* spp., *Bonnetia comta*, *Chaetogaedia monticola*, *Eucelatoria armigera*, *E. rubentis*, *Euphorocera claripennis*, *Lespesia archippivora*, *Patelloa leucaniae*, *Peleteria texensis*, *Periscepsia helymus*, "*Phorocera*" spp., *Triachora ochriventris*, *T. unifasciata*, *Winthemia infesta*, *W. leucanae*, *W. militaris*, *W. quadripustulata*, *W. rufopicta*, Tachinidae.

Arsenura erythrinae, see *Samia cynthia*

Arsilonche albovenosa, see *Simyra henrici*

Artichoke plume moth, see *Platyptilia carduidactyla*

Arzama (Lep.: Noctuidae)

densa: *Lydella radialis*.

obliqua: *Erynnia tortricis*, *Lydella radialis*, *Oswaldia* sp. probably.

"*obliquata*," see *A. obliqua*.

Ascia (Lep.: Pieridae)

monuste: *Prophryno parviteres*.

rapae, see *Pieris rapae*.

Asciodes (Lep.: Pyralidae)

anormalis probably: *Nemorilla pyste*.

gordialis: *Nemorilla* sp. near *pyste*.

Asiatic beetle, see *Maladera castanea* or *M. castanea* probably

Asiatic garden beetle, see *Maladera castanea*

Asparagus beetle, see *Crioceris asparagi*

Aspen leaf beetle, see *Chrysomela crotchii*

Asterocampa (Lep.: Nymphalidae)

celtis: *Euphorocera edwardsii*.

clyton: *Euphorocera claripennis*.

sp.: *Lespesia aletiae*.

Atreides (Lep.: Sphingidae)

plebeius: *Compsilura concinnata*.

Atreus "*plebeja*," see *Atreides plebeius*

"**Attacas**" *orizaba*, see *Rothschildia orizaba*

Attacus (Lep.: Saturniidae)

cecropia, see *Platysamia cecropia*.

"*cecropiae*," see *Platysamia cecropia*.

luna, see *Actias luna*.

polyphemus, see *Antheraea polyphemus*.

promethea, see *Platysamia promethea*.

sp.: *Lespesia frenchii*.

Autochton (Lep.: Hesperiiidae)

cellus: *Lespesia aletiae*.

Autographa (Lep.: Noctuidae)

brassicae, see *Trichoplusia ni*.

"*california*," see *A. californica*.

californica: *Aplomya trisetosa*, *Chaetogaedia monticola*, *Eucelatoria armigera*, *Euexorista futilis*, *Lespesia archippivora*, *L. spp.*, *Madremyia saundersii*, *Periscepsia helymus*, *Pilatea delecta*, *Siphona plusiae*, *Voria ruralis*.

californica probably: *Voria aurifrons*.

egena, see *Autoplusia egena*.

gamma: *Siphona spp.*, *Voria ruralis* probably.

gamma californica, see *A. californica*.

oo, see *Pseudoplusia includens*.

rogationis, see *Pseudoplusia includens*.

spp.: *Chaetophlepsis eudryae*, *Voria ruralis*.

Automeris (Lep.: Saturniidae)

io: *Carcelia formosa*, *Compsilura concinnata*, *Euphorocera*

claripennis, *Lespesia dimmocki*, *L. frenchii*, *L. sabroskyi*, *Sisyropa eudryae*, Tachinidae.

leucane, see *A. nyctimene leucane*.

nyctimene leucane: *Belvosia ciliata*.

spp.: *Sisyropa eudryae*.

Autoplusia (Lep.: Noctuidae)

egena: *Chaetogaedia monticola*, *Voria ruralis*.

Bacillus (Orth.: Phasmatidae)

rossia: "*Tachina*" spp., Tachinidae.

rossii, see *B. rossia*.

Bagworm, see *Thyridopteryx ephemeraeformis*

Baileya (Lep.: Noctuidae)

dormitans: *Tachinomyia nigricans*.

Balaninus nasicus, see *Curculio nasicus*

Balaninus "*pardalus*" or *Curculio naso*, see Curculionid spp.
(including *Conotrachelus naso* or *Curculio pardalis*)

Balaninus "*pardulus*" or *Curculio naso*, see Curculionid spp.
(including *Conotrachelus naso* or *Curculio pardalis*)

Balaninus uniformis, see *Curculio uniformis*

Balaninus [sp.], see *Curculio* spp.

"**Balanus**" spp., see *Curculio* spp.

Balsam fir sawfly, see *Neodiprion abietis*

Banded woollybear, see *Isia isabella*

Barathra (Lep.: Noctuidae)

configurata, see *Mamestra configurata*.

curialis: *Mericia bicarina* probably.

Barbara (Lep.: Olethreutidae)

colfaxiana: *Eribella* sp. near *exilis*.

Barrenadores, see Lepidoptera, miscellaneous

Basilarchia archippus, see *Limenitis archippus*

Basilarchia arthemis astyanax, see *Limenitis astyanax*

Basilarchia astyanax, see *Limenitis astyanax*

Basilona imperialis, see *Eacles imperialis*

Basswood leafroller, see *Pantographa limata*

Battus (Lep.: Papilionidae)

philenor: *Compsilura concinnata*.

Bean leaf beetle, see *Cerotoma trifurcata*

Bean leafroller, see *Urbanus proteus*

Bean leafskeletonizer, see *Autoplusia egena*

Bee(-s) (Hym.: Unidentified Hymenoptera)

Bee(-s): "*Tachina*" spp.

Beet armyworm, see *Spodoptera exigua*

Beet webworm, see *Loxostege sticticalis*

Beet webworm and/or clover cutworm, see Noctuid and/or pyralid

- spp. (including *Scotogramma trifolii* and/or *Loxostege sticticalis*)
- Bella moth, see *Utetheisa ornatrix bella*
- Bellura obliqua, see *Arzama obliqua*
- "Bembex" nubilipennis, see *Bembix nubilipennis*
- Bembix (Hym.: Sphecidae)
- nubilipennis: "Prospherysa" sp.
- Bertha armyworm, see *Mamestra configurata*
- Bidens borer, see *Epiblema otiosanum*
- Birch casebearer, see *Coleophora fuscedinella*
- Birch sawfly, see *Arge pectoralis*
- Birch tubemaker, see *Acrobasis betulella*
- Biston (Lep.: Geometridae)
- cognataria: *Aplomya helvina*, *Compsilura concinnata*, *Exorista* spp.
- Black army cutworm, see *Actebia fennica*
- Black army worm, see *Actebia fennica*
- Black cutworm, see *Agrotis ipsilon*
- Blackheaded ash sawfly, see *Tethida cordigera*
- Blackheaded fireworm, see *Rhopobota naevana*
- Black swallowtail, see *Papilio polyxenes asterius*
- Blastobasis nubilella, see *Valentinia glandulella*
- Blepharida (Col.: Chrysomelidae)
- rhois: *Adoryphorophaga aberrans*.
- "Blepharomastix" (Lep.: Pyralidae)
- ebulialis: *Myobiopsis flavipennis*.
- Blue cactus borer, see *Melitara dentata*
- Bluegrass billbug, see *Sphenophorus parvulus*
- Boarmia pampinaria, see *Isturgia truncataria*
- Boarmia "plumigeraria," see *Coniodes plumogeraria*
- Boll weevil, see *Anthonomus grandis*
- Bollworm, see *Heliothis zea*
- Bombus (Hym.: Apidae)
- fervidus: *Clausicella neomexicana*.
- spp.: *Lespesia frenchii*, "Tachina" spp.
- Bombycidae (Lep.: Bombycidae)
- Unidentified: *Exorista mella*, *Lespesia frenchii*, *Pseudochaeta argentifrons*, *Winthemia quadripustulata*.
- Bombyx (Lep.: Bombycidae)
- mori: *Compsilura concinnata*, *Zenillia libatrix*.
- sp.: *Lespesia ciliata*.
- Bomolocha (Lep.: Noctuidae)
- abalienalis: *Blondelia hyphantriae*.
- deceptalis: *Blondelia hyphantriae*.

Boopedon (Orth.: Acrididae)

nubilum: *Hemithrixion oestriforme*.

“Botis” *penitalis*, see *Ostrinia* spp. (including *O. oblitalis* and/or *O. penitalis*)

Botys penitalis, see *Ostrinia penitalis* or *Ostrinia* spp. (including *O. oblitalis* and/or *O. penitalis*)

Botys sp., see *Pyrausta* spp. probably

Boxelder leaf roller, see *Gracillaria negundella*

Boxelder twig borer, see *Proteoteras willingana*

Brassolis (Lep.: Brassolidae)

isthmia: Tachinidae.

Brephidium (Lep.: Lycaenidae)

exilis: *Aplomya theclarum*, Tachinidae.

Brephos (Lep.: Geometridae)

infans: *Actia flavipes*, *Ictericophyto spinosa*.

Bristly cutworm, see *Lacinipolia renigera*

Bristly roseslug, see *Cladius isomerus*

Brownheaded ash sawfly, see *Tomostethus multicinctus*

Brown stink bug, see *Euschistus servus*

Browntail moth, see *Nygmia phaeorrhoea*

Bruce spanworm, see *Operophtera bruceata*

“Bryshidium *exile*,” see *Brephidium exilis*

Buck moth, see *Hemileuca maia*

Buprestis (Col.: Buprestidae)

aurulenta: Tachinidae.

Burdock borer, see *Papaipema cataphracta*

Burrowing webworm(-s) (Lep.: Unidentified Lepidoptera)

Burrowing webworm(-s): *Paradidyma singularis*.

Butterfly(-flies) (Lep.: Unidentified Lepidoptera)

Butterfly(-flies): *Acroglossa hesperidarum*.

Byrdia (Lep.: Lymantriidae)

groenlandica: *Exorista fasciata fasciata*, *Peleteria aenea*, *Petin-arctia stylata*.

Cabbage cutworm(-s) (Lep.: Noctuidae)

Cabbage cutworm(-s): *Gonia* spp.

Cabbage looper, see *Trichoplusia ni*

Cabbage webworm, see *Hellula rogatalis*

Cabbage worm(-s) (Lep.: Unidentified Lepidoptera)

Cabbage worm(-s): *Compsilura concinnata*, *Lespesia archippi-vora*.

Cabera “*erythremaria*,” see *Deilinia erythemaria*

Cacoecia *argyrospilus*, see *Archips argyrospilus*

Cacoecia *cerasivoranus*, see *Archips cerasivoranus*

Cacoecia *fervidanus*, see *Archips fervidanus*

- Cacoecia fumiferana*, see *Choristoneura fumiferana*
Cacoecia parallela, see *Choristoneura parallela*
Cacoecia rosaceana, see *Choristoneura rosaceana*
Cacoecia rosanus, see *Archips rosanus*
Cacoecia spp., see *Archips* spp.
 "Caecacia" *cerasivoranus*, see *Archips cerasivoranus*
 "Caenurgia" *erechtea*, see *Caenurgina erechtea*
Caenurgina (Lep.: Noctuidae)
 erechtea: *Winthemia quadripustulata*.
Calendra incurrens, see *Sphenophorus incurrens*
 California oakworm, see *Phryganidia californica*
Callarctia ornata, see *Apantesis ornata*
Callarctia proxima, see *Apantesis proxima*
Calligrapha (Col.: Chrysomelidae)
 bigbyana, see *C. multipunctata bigbyana*.
 multipunctata: *Euphorocera claripennis*.
 multipunctata bigbyana: *Myiopharus canadensis*, *M. dorsalis*.
Calloplistria (Lep.: Noctuidae)
 floridensis: Tachinidae.
Callosamia (Lep.: Saturniidae)
 "colleta," see *Hyalophora calleta*.
 promethea: *Compsilura concinnata*, *Euphorocera claripennis*,
 Eusisyropa virilis, *Exorista mella*, *Lespesia callosamiae*,
 L. frenchii, "Tachina" spp., *Winthemia quadripustulata*,
 W. spp., Tachinidae.
Calocalpe undulata, see *Hydria undulata* or *Hydria* spp. (including
 H. prunivorata and/or *H. undulata*)
Caloptenus bivittatus or *C. differentialis*, see *Melanoplus* spp.
 (including *M. bivittatus* and/or *M. differentialis*)
Caloptenus spretus, see *Melanoplus spretus*
Calosoma (Col.: Carabidae)
 calidum: *Sitophaga calosomae*, *S. georgiae*, *S. georgiae*
 probably.
 frigidum: *Sitophaga calosomae*, *S. georgiae*.
 peregrinator: *Sitophaga calosomae*, *S. georgiae*, *S. sp.*
 sycophanta: *Sitophaga calosomae*, *S. georgiae*, *S. georgiae*
 probably.
 "wilcoxi," see *C. willcoxi*.
 willcoxi: *Sitophaga calosomae*.
 spp.: *Sitophaga georgiae*.
Calpe (Lep.: Noctuidae)
 canadensis: *Compsilura concinnata*, *Winthemia sinuata* prob-
 ably.

Calpodes (Lep.: HesperIIDae)

ethlius: *Eucelatoria australis*, *Eusisyropa blanda*, *Lixophaga diatraeae*.

Camnula (Orth.: Acrididae)

pellucida: *Ceracia dentata*, *Hemithrixion oestriforme*, Tachinidae.

Canarsia (Lep.: Pyralidae)

ulmiarrosorella: *Eufrontina spectabilis*.

Cane borer, see *Rhabdoscelus obscurus*

Caneborer(-s) (Col.: Curculionidae)

Caneborer(-s): *Myiophasia metallica*.

Cankerworm(-s) (Lep.: Geometridae)

Cankerworm(-s) (including *Alsophila pometaria* and/or *Paleacrita vernata*): "Tachina" spp.

Cankerworm(-s): *Winthemia rufopicta*.

Carabus (Col.: Carabidae)

nemoralis: *Sitophaga calosomae*.

taedatus variety, see *C. taedatus taedatus*.

taedatus var. near *oregonensis*, see *C. taedatus taedatus*.

taedatus taedatus: *Sitophaga leechi*.

sp.: Tachinidae.

Caradrina reculsa, see *Elydna nonagrica*

Caripeta (Lep.: Geometridae)

angustiorata: *Blondelia eufitchiae*.

Carneades (Lep.: Noctuidae)

messoria, see *Euxoa messoria*.

sp.: *Chaetogaedia monticola*.

Carolina grasshopper, see *Dissosteira carolina*

Carolina mantid, see *Stagmomantis carolina*

Carpocapsa pomonella, see *Laspeyresia pomonella*

Carpocapsa [sp.], see *Laspeyresia pomonella* or *Melissopus latiferreanus*

Case bearer, see *Acrobasis caryae*

Castnia (Lep.: Castniidae)

licoides: *Palpozenillia palpalis*.

Catabena (Lep.: Noctuidae)

lineolata: *Deopalpus miscelli*.

Catalpa sphinx, see *Ceratomia catalpae*

Catocala (Lep.: Noctuidae)

antinympha: *Chaetophlepsis* spp., *Winthemia* spp.

micronympha: *Tachinomyia nigricans*, *T.* spp.

micronympha form *fratercula*, see *C. micronympha*.

minuta: *Winthemia* spp. —

neogama: *Archytas aterrimus*.

parta: Tachinidae.

relicta: *Actia* spp.

spp.: *Blepharipa scutellata*, *Compsilura concinnata*, *Eusisyropa blanda*, *Tachinomyia* sp. near *panaetius*.

Catocalinae (Lep.: Noctuidae)

Unidentified: *Actia* spp., *Archytas* sp. near *metallicus*, *Blepharipa scutellata*, *Compsilura concinnata*, *Eusisyropa blanda*, *Tachinomyia* spp., *Winthemia datanae*.

Ceanothus silk moth, see *Platysamia euryalus*

Cecidomyia "salicis brassicoides," see *Rhabdophaga salicisbrassicoides*

Cecropia moth, see *Platysamia cecropia*

Celama (Lep.: Noctuidae)

sorghiella: *Lespesia* spp.

Celastrina (Lep.: Lycaenidae)

argiolus pseudargiolus: *Aplomya theclarum*.

Celerio lineata, see *Hyles lineata*

Celery leaf tier, see *Udea rubigalis*

Cerambycidae (Col.: Cerambycidae)

Unidentified: *Eutheresia monohammi* probably, *Zelia vertebrata*.

Ceramica (Lep.: Noctuidae)

picta: *Blondelia hyphantriae*, *Compsilura concinnata*, *Winthemia quadripustulata* probably, *W. rufopicta*, Tachinidae.

Ceramidia (Lep.: Ctenuchidae)

butleri: *Lespesia aletiae*.

Ceratomegilla fuscilabris, see *Coleomegilla maculata*

Ceratomia (Lep.: Sphingidae)

amyntor: *Argyrophylax* spp., *Belvosia bifasciata*, *B. townsendi*, *Drino incompta*, *Lespesia frenchii*.

catalpae: *Belvosia borealis*, *Compsilura concinnata*, *Drino incompta*, *Euphorocera claripennis*, *E. floridensis*, *Eusisyropa virilis*, *Hyphantrophaga hyphantriae*, *Lespesia aletiae*, *L. frenchii*, *L. spp.*, *Winthemia datanae*, Tachinidae.

undulosa: *Belvosia bifasciata*, *B. borealis*, *Compsilura concinnata*, *Drino incompta*, *Euphorocera claripennis*, *Hyphantrophaga hyphantriae*, *Lespesia frenchii*, Tachinidae.

undulosa probably: *Drino incompta*.

spp.: *Drino incompta*.

Cereal leaf beetle, see *Oulema melanopus*

- Cerocampa regalis*, see *Citheronia regalis*
- Cerotoma** (Col.: Chrysomelidae)
trifurcata: *Celatoria diabroticae*.
- Ceruchus** (Col.: Lucanidae)
piceus: *Eutheresia monohammi*, *E. monohammi* probably.
- Cerura** (Lep.: Notodontidae)
cinerea: *Aplomya cerurae*, Tachinidae.
occidentalis: *Compsilura concinnata*.
spp.: *Archytas aterrimus*, *Exorista* spp., *Lespesia aletiae*, *Pales* spp., "*Prosopaea*" sp.
- Ceuthophilus** (Orth.: Gryllacrididae)
latibuli: *Oedematocera flaveola*.
spp.: *Oedematocera flaveola* probably.
- Chainspotted geometer, see *Cingilia catenaria*
- Chalcodermus** (Col.: Curculionidae)
aeneus: *Myiophasia "aenea," M. clistoides*, *M. globosa*.
collaris: *Myiophasia globosa*.
inaequicollis: *Myiophasia globosa*.
spp.: *Myiophasia "aenea," M. globosa*.
- Charidryas nycteis**, see *Chlosyne nycteis*
- Chelinidea** (Hem. (Heter.): Coreidae)
canyona: *Trichopoda pennipes*.
tabulata: *Trichopoda pennipes*.
vittiger: *Trichopoda pennipes*.
vittiger aequoris: *Trichopoda pennipes*.
vittiger aequoris var. *artuatra*, see *C. vittiger aequoris*.
- Chelymorpha** (Col.: Chrysomelidae)
cassidea: *Eribella exilis*, *Eucelatoriopsis dimmocki*.
- Chemarachis** (Col.: Scarabaeidae)
hogardi: *Ptilodexia harpasa*.
vandinei: *Cryptomeigenia aurifacies*, *Eutrixoides jonesii*.
- Cherry ugly moths, see *Archips* spp. probably
- Chilo** (Lep.: Pyralidae)
plejadellus: *Paratheresia claripalpis*.
- Chimarocephala** (Orth.: Acrididae)
pacifica pacifica: *Ceracia dentata*, Tachinidae.
- Chionodes** (Lep.: Gelechiidae)
sp.: *Schizotachina* sp.
- "*Chlorachroa*" *ligata*, see *Chlorochroa ligata*
- Chloridea obsoleta*, see *Heliothis zea*
- Chlorippe celtis*, see *Asterocampa celtis*
- "*Chloristoneura*" *fumiferana*, see *Choristoneura fumiferana*
- Chlorochroa** (Hem. (Heter.): Pentatomidae)
ligata: *Cylindromyia euchenor*, *Gymnosoma filiola*, *G. fuliginosum*, *Paraphoranthia pollinosa*.

sayi: *Cylindromyia armata*, *C. euchenor*, *Gymnosoma fuliginosum*.

uhleri: *Gymnosoma fuliginosum*.

spp.: *Trichopoda* spp.

Chlosyne (Lep.: Nymphalidae)

harrisii: *Compsilura concinnata*, "Phorocera" spp., Tachinidae.

lacinia: *Euphorocera claripennis*.

nycteis: *Compsilura concinnata*.

Choephora (Lep.: Noctuidae)

fungorum: *Wagneria major*, *W. sp.*

Choristoneura (Lep.: Tortricidae)

conflictana: *Actia diffidens*, *A. interrupta*, *Aplomya caesar*, *A. crassiseta*, *Chaetophlepsis* spp., *Lypha setifacies*, *Madremyia saundersii*, *Omotoma fumiferanae*, *Phryxe pecosensis*, Tachinidae.

fractivittana: *Aplomya caesar*.

fumiferana: *Actia interrupta*, *Aplomya caesar*, *Ceromasia auricaudata*, *C. aurifrons*, *C. spp.*, *Compsilura concinnata*, *Hemisturmia tortricis*, *Lypha setifacies*, *Madremyia saundersii*, *Nemorilla pyste*, *Omotoma fumiferanae*, "Phorocera" *incrassata*, *Phryxe pecosensis*, *P. pecosensis* probably, *P. vulgaris*, *Pseudoperichaeta erecta*, "Sturmia" spp., *Tachinomyia nigricans*, *Winthemia* spp., *Xanthophyto* spp., Tachinidae

houstonana: *Nemorilla pyste*.

occidentalis: Tachinidae.

parallela: *Aplomya caesar*, *Madremyia saundersii*, *Nemorilla pyste*.

pinus: *Actia interrupta*, *A. spp.*, *Aplomya caesar*, *Hemisturmia tortricis*, *Lypha setifacies*, *Madremyia saundersii*, *Nemorilla pyste*, *N. spp.*, *Phryxe pecosensis*, *Pseudoperichaeta erecta*, Tachinidae.

rosaceana: *Actia interrupta*, *Aplomya caesar*, *Erynnia tortricis*, *Hemisturmia tortricis*, *Lypha setifacies*, *Nemorilla pyste*, *Phryxe pecosensis*, *Pseudoperichaeta erecta*, Tachinidae.

Chorizagrotis agrestis, see *Euxoa auxiliaris*

Chorizagrotis auxiliaris, see *Euxoa auxiliaris*

Chortophaga (Orth.: Acrididae)

viridifasciata: *Ceracia dentata*, *C. dentata* probably.

spp.: *Ceracia dentata*.

Chromatia (Col.: Alleculidae)

amoena: *Hyalomyodes triangulifer*.

Chrysodeixis (Lep.: Noctuidae)

calcites: *Chaetogaedia monticola*, *Eucelatoria armigera*,
Tachinidae.

Chrysomela (Col.: Chrysomelidae)

crotchi: *Grisdalemyia* spp.

interrupta: *Hyalomyodes triangulifer*.

knabi: *Hyalomyodes triangulifer*.

multipunctata, see *Calligrapha multipunctata*.

scripta: Tachinidae.

Chrysomelid (Col.: Chrysomelidae)

spp. (including *Lema trilineata* and/or *Leptinotarsa decemlineata*): *Adoryphorophaga aberrans*, *Doryphorophaga australis*, *D. doryphorae*.

Chrysomelidae (Col.: Chrysomelidae)

Unidentified: *Medina* spp.

Chrysophanus *dione*, see *Lycaena xanthoides dione***Chrysops** (Dipt.: Tabanidae)

sp.: *Carinosillus tabanivorus*.

Cicada septendecim, see *Magicicada septendecim***Cicinnus** (Lep.: Lacosomidae)

melsheimeri: *Chrysotachina alcedo*.

Cimbex (Hym.: Cimbicidae)

americana: *Aplomya epicydes*, *Compsilura concinnata*, Tachinidae.

Cinclidia harrisii, see *Chlosyne harrisii***Cingilia** (Lep.: Geometridae)

"*catanaria*," see *C. catenaria*.

catenaria: *Blondelia* spp. probably, *Ceromasia aurifrons*,
Chaetophlepsis orbitalis, *Compsilura concinnata*,
Euphorocera claripennis, *Eusisyropa blanda*, *E. virilis*,
Madremyia saundersii, *Phryxe pecosensis*, *P. vulgaris*,
Winthemia quadripustulata, *W. sinuata* probably,
Tachinidae.

catenaria probably: *Winthemia sinuata*.

latenaria, see *C. catenaria* probably.

Cirphis (Lep.: Noctuidae)

cholica, see *Leucania cholica*.

inconspicua, see *Leucania inconspicua*.

"*inconspicua*," see *Leucania inconspicua*.

juncicola, see *Leucania juncicola*.

latiuscula, see *Leucania latiuscula*.

latiuscula probably, see *Leucania latiuscula* probably.

microgonia, see *Leucania microgonia*.

unipuncta, see *Pseudaletia unipuncta*.

unipuncta and/or *Spodoptera mauritia*, see Armyworm(-s)
(including *Pseudaletia unipuncta* and/or *Spodoptera mauritia*).

spp.: *Archytas cirphis*, *Periscepsia helymus*, Tachinidae.

"Cirphus" *unipuncta*, see *Pseudaletia unipuncta*

Cisthene (Lep.: Arctiidae)

nexa: *Pseudochaeta argentifrons*.

"Citherona" *regalis*, see *Citheronia regalis*

Citheronia (Lep.: Citheroniidae)

regalis: *Belvosia bifasciata*, *B. townsendi*, *Lespesia archippivora*, *L. frenchii*, *L. spp.*, *Winthemia citheroniae*.

Cladius (Hym.: Tenthredinidae)

isomerus: *Bessa harveyi*.

pectinicornis: *Bessa harveyi*.

Claybacked cutworm, see *Agrotis gladiara*

Clearwinged grasshopper, see *Camnula pellucida*

Cleora pampinaria, see *Isturgia truncataria*

Clisiocampa americanum, see *Malacosoma americanum*

Clisiocampa californicum, see *Malacosoma californicum*

Clisiocampa constricta, see *Malacosoma constrictum*

Clisiocampa disstria, see *Malacosoma disstria*

Clisiocampa pluvialis, see *Malacosoma californicum pluviale*

Clisiocampa sylvatica, see *Malacosoma disstria*

Clisiocampa "thoracia," see *Malacosoma californicum californicum*

Clisiocampa thoracica, see *Malacosoma californicum californicum*

Clisiocampa spp., see *Malacosoma spp.*

Clover cutworm, see *Scotogramma trifolii*

Clover leaf weevil, see *Hypera punctata*

Clover root curculio, see *Sitona hispidula*

Cnidocampa (Lep.: Limacodidae)

flavescens: *Chaetexorista javana*, *Compsilura concinnata*,
Lixophaga mediocris.

Coccinella (Col.: Coccinellidae)

trifasciata perplexa: *Hyalomyodes triangulifer*.

Cocklebur weevil, see *Rhodobaenus tredecimpunctatus*

Cockroach(-es) (Orth.: Blattidae)

Cockroach(-es): *Calodexia dives*, *C. spp.*

Coconut leafroller, see *Hedylepta blackburni*

"Coddling" moth, see *Laspeyresia pomonella*

Codling moth, see *Laspeyresia pomonella*

Coelodasys unicornis, see *Schizura unicornis*

Coleomegilla (Col.: Coccinellidae)

maculata: *Hyalomyodes triangulifer*.

maculata lengi: *Hyalomyodes triangulifer*.

Coleophora (Lep.: Coleophoridae)*fuscedinella*: *Erynnia tortricis*.*malivorella*: *Erynnia tortricis*.*salmani*, see *C. fuscedinella*.**Coleoptera** (Col.: Unidentified Coleoptera)Miscellaneous: *Euphorocera claripennis*, "Macquartia" spp.,
*Myiophasia "aenea."***Coleotechnites** (Lep.: Gelechiidae)*canusella*: *Elfia* spp.*coniferella*: *Schizactia vitinervis*.*piceaella*: *Schizactia vitinervis*.*thujella*: *Elfia* spp.sp.: *Schizactia vitinervis*.**Coleotichus** (Hem. (Heter.): Scutelleridae)*blackburniae*: *Trichopoda pennipes*, *T. pilipes*.**Colias** (Lep.: Pieridae)*eurytheme*: *Euphorocera claripennis*, *E. omissa*, *Lespesia*
archippivora, *L.* spp., "Masicerca" spp., "Phorocera" spp.*philodice eurytheme*, see *C. eurytheme*.**Coloradia** (Lep.: Saturniidae)*pandora*: *Leschenaultia adusta*.Colorado potato beetle, see *Leptinotarsa decemlineata*Columbine borer, see *Papaipema purpurifascia*Conchuela, see *Chlorochroa ligata***Cone moth(-s)** (Lep.: Pyralidae)Cone moth(-s): *Elfia setigera*.Cone moth(-s) probably: *Lydellohoughia* sp.**Coniodes** (Lep.: Geometridae)*plumogeraria*: Tachinidae.**Conistra devia**, see *Eupsilia devia***Conistra indirecta**, see *Pyreferra hesperidago***Conistra morrisoni** and/or *C. sidus*, see *Eupsilia* spp. (including *E.*
morrisoni and/or *E. sidus*)**Conotrachelus** (Col.: Curculionidae)*affinis*: *Cholomyia inaequipes*, *Myiophasia "aenea," M. globosa*,
M. nigrifrons.*anaglypticus*: *Myiophasia globosa*.*aratus*: *Cholomyia inaequipes*, *Myiophasia globosa*.*elegans*: *Cholomyia inaequipes*, *Myiophasia "aenea,"* Tachini-
dae.*juglandis*: *Cholomyia inaequipes*, *Myiophasia "aenea."**naso*: *Cholomyia inaequipes*, *C.* sp.*nenuphar*: *Cholomyia inaequipes*, *Myiophasia "aenea," M.*
"aenea" probably, *M. globosa*.

- posticatus*: *Cholomyia inaequipes*.
 spp. (including *C. affinis* or *C. posticatus*): *Myiophasia* "aenea."
 spp.: *Cholomyia inaequipes*, *Myiophasia* "aenea," *M. metallica*.
Copablepharon (Lep.: Noctuidae)
viridisparsa: *Bonnetia comta*.
Copaxa (Lep.: Saturniidae)
lavendera probably: *Belvosia ciliata*.
 "Cophyrus" larvae, see *Diprionid* spp. (including *Diprion* spp. and/or *Neodiprion* spp.)
Coptocycla (Col.: Chrysomelidae)
clavata, see *Plagiometriona clavata*.
 spp.: *Eucelatoriopsis dimmocki*, "Tachina" spp.
Coreus tristis, see *Anasa tristis*
Corizus hyalinus, see *Liorhyssus hyalinus*
 Corn borer, see *Ostrinia nubilalis*
 Corn earworm, see *Heliothis zea*
 Corn stalk borer(-s) (Lep.: Unidentified Lepidoptera)
 Corn stalk borer(-s): *Archytas marmoratus*.
Coryphista (Lep.: Geometridae)
meadii: *Blondelia* spp., *Madremyia saundersii*.
Cosmia (Lep.: Noctuidae)
canescens: *Mericia* spp., Tachinidae.
Cosmopepla (Hem. (Heter.): Pentatomidae)
bimaculata: *Alophorella aeneoventris*, *Gymnoclytia dubia*.
Cosmophila sabulifera, see *Anomis hawaiiensis*
Cossula (Lep.: Cossidae)
magnifica: "Phorocera" *comstocki*, "P." *signata*.
Cosymbia (Lep.: Geometridae)
lumenaria, see *C. pendulinaria*.
pendulinaria: *Actia flavipes*.
 Cotton boll weevil, see *Anthonomus grandis*
 Cotton leafworm, see *Alabama argillacea*
 Cotton square borer, see *Strymon melinus*
 Cottonwood dagger moth, see *Acronicta lepusculina*
 Cottonwood leaf beetle, see *Chrysomela scripta*
 Cotton worm, see *Alabama argillacea*
 Cowpea curculio, see *Chalcodermus aeneus*
Crambus (Lep.: Pyralidae)
bonifatellus, see *C. inornatellus*.
inornatellus: *Aplomya confusionis*.
mutabilis: *Aplomya caesar*, *A. confusionis*, *Euphorocera claripennis*.
sperryellus: *Aplomya confusionis*.

- trisectus*: *Aplomya caesar*, *A. confusionis*, *Stomatomyia floridensis*.
- vulgivagellus*: "Tachina" spp.
- spp.: *Aplomya caesar*, *Euphorocera claripennis*, *Ormia* spp. probably, *Phasiops flavus*, Tachinidae.
- Cranberry spanworm, see *Anavitrinella pampinaria*
- Crane fly (flies) (Dipt.: Tipulidae)
- Crane fly (flies): *Siphona* spp.
- Cressonia (Lep.: Sphingidae)
- juglandis*: *Winthemia datanae*, Tachinidae.
- Cricket(-s) (Orth.: Gryllidae)
- Cricket(-s): *Calodexia* spp., *Gilvella gilvipes*.
- Crinkled flannel moth, see *Megalopyge crispata*
- Crioceris (Col.: Chrysomelidae)
- asparagi*: *Meigenia mutabilis*, *Paralispe infernalis*.
- "Criphis" *unipuncta*, see *Pseudaletia unipuncta*
- Crocigrapha (Lep.: Noctuidae)
- normani*: *Patelloa* spp.
- Crocota *rubicundaria*, see *Eubaphe aurantiaca rubicundaria*
- Croesia (Lep.: Tortricidae)
- albicomana*: *Actia interrupta*, *Lypha setifacies*.
- albicomana* probably: *Schizotachina convecta*.
- semipurpurana*, see *C. albicomana*.
- Croesus (Hym.: Tenthredinidae)
- latitarsus*: *Bessa harveyi*, *Compsilura concinnata*.
- Crossstriped cabbageworm, see *Evergestis rimosalis*
- Crymodes (Lep.: Noctuidae)
- devastator*: *Gonia aldrichi*, *G. frontosa*, *G. spp.*, *Nowickia latifrons*, Tachinidae.
- Cryphia (Lep.: Noctuidae)
- pervertens*: *Chaetophlepsis orbitalis*.
- Ctenophora (Dipt.: Tipulidae)
- spp.: *Admontia* spp.
- Ctenucha (Lep.: Ctenuchidae)
- virginica*: *Compsilura concinnata*, Tachinidae.
- Cucullia (Lep.: Noctuidae)
- convexipennis*: *Winthemia quadripustulata*, *W. rufopicta*, Tachinidae.
- spp.: *Lespesia cuculliae*.
- Cucumber beetle(-s) (Col.: Chrysomelidae)
- Cucumber beetle(-s): *Celatoria setosa*.
- Curculio (Col.: Curculionidae)
- auriger*: *Myiophasia nigrifrons*.
- nasicus*: *Myiophasia "aenea."*

nenuphar, see *Conotrachelus nenuphar*.

proboscideus: *Myiophasia nigrifrons*, *Winthemia quadripustulata*.

strictus probably: *Myiophasia nigrifrons*.

uniformis: *Myiophasia* "aenea," "M. atra."

spp.: *Clausicella neomexicana*, *Elfia melissopodis*, *Myiophasia metallica*, *M. nigrifrons*.

Curculionid (Col.: Curculionidae)

spp. (including *Conotrachelus naso* or *Curculio pardalis*):
Myiophasia "aenea."

Curculionidae (Col: Curculionidae)

Unidentified: *Myiophasia globosa*, *Winthemia quadripustulata*.

Curled rose sawfly, see *Allantus cinctus*

Currant spanworm, see *Itame ribearia*

Cutworm, see *Euxoa messoria* probably

Cutworm(-s) (Lep.: Noctuidae)

Cutworm(-s) (including *Agrotis* spp. and/or *Leucania* spp.): *Chaetogaedia monticola*, *Lespesia archippivora*.

Cutworm(-s) and related Noctuidae: *Winthemia quadripustulata*.

Cutworm(-s): *Archytas cirphis*, *A. marmoratus*, *A.* spp. (including *A. apicifer* and/or *A. californiae*), *Bonnetia comta*, *Chaetogaedia crebra*, *C. monticola*, *Eucelatoria comosa*, *Euphorocera claripennis*, *Gonia porca*, *G.* spp., *Lespesia archippivora*, *Nowickia algens*, *Periscepsia helymus*, "Tachina" spp., *Tachinomyia panaetius*, *Winthemia leucanae*, *W. quadripustulata*, *W.* spp., Tachinidae.

Cyaniris pseudargiolus, see *Celastrina argiolus pseudargiolus*

Cyclocephala immaculata or *Lachnosterna* spp., see Scarabaeid spp. (including *C. immaculata* or *Phyllophaga* spp.)

Cyclocephala spp. or *Lachnosterna* spp., see Scarabaeid spp. (including *Cyclocephala* spp. and/or *Phyllophaga* spp.)

Cycnia (Lep.: Arctiidae)

inopinatus: *Hyphantrophaga euchaetiae*, *H. hyphantriae*.

tenera: *Archytas aterrimus*, *Exorista mella*, *Hyphantrophaga euchaetiae*, *H. hyphantriae*, Tachinidae.

Cymaenes (Lep.: Hesperidae)

tripunctus: Tachinidae.

Cynthia atalanta, see *Vanessa atalanta*

Cynthia cardui, see *Vanessa cardui*

Cynthia cardui "J. rufipes," see *Vanessa cardui*

Cynthia moth, see *Samia cynthia*

Cynthia virginensis, see *Vanessa virginensis*

"*Danais*" *archippus*, see *Danaus plexippus plexippus*

Danaus (Lep.: Danaidae)

archippus, see *D. plexippus plexippus*.

berenice, see *D. gilippus berenice*.

gilippus berenice: *Lespesia archippivora*.

menippe, see *D. plexippus plexippus*.

plexippus, see *D. plexippus plexippus*.

plexippus plexippus: *Buquetia obscura*, *Chaetogaedia monticola*, *Compsilura concinnata*, *Eusisyropa virilis*, *Exorista mella*, *E. spp.*, *Lespesia archippivora*, *L. schizurae*, *L. spp.*, *Madremyia saundersii*, *Phryxe pecosensis*, *P. vulgaris*, Tachinidae.

"*Dantana*" *integerrima*, see *Datana integerrima*

Darksided cutworm, see *Euxoa messoria*

Dasychira (Lep.: Lymantriidae)

atomeria: *Carcelia olenensis*.

basiflava: *Compsilura concinnata*, *Exorista mella*, *E. spp.*

groenlandica, see *Byrdia groenlandica*.

plagiata: *Carcelia olenensis*, *C. perplexa*, *C. spp.*

vagans: *Exorista mella*.

spp.: *Compsilura concinnata*.

spp. probably: *Spoggosia gelida*.

"*Dasychirus*" *sp. (?)*, see *Dasychira spp. probably*

"*Dasylopha*" *anguina*, see *Dasylophia anguina*

Dasylophia (Lep.: Notodontidae)

anguina: *Lespesia aletiae*, *L. cuculliae*, *L. cuculliae probably*, Tachinidae.

Dasystoma (Lep.: Oecophoridae)

salicellum: *Compsilura concinnata*.

Datana (Lep.: Notodontidae)

angusii: *Archytas metallicus*, *Compsilura concinnata*, *Euphorocera claripennis*, *Lespesia cuculliae*, *L. frenchii*, *Winthemia datanae*.

contracta: *Euphorocera claripennis*, *Exorista spp. probably*.

integerrima: *Archytas metallicus*, *A. spp.*, *Belvosia bifasciata*, *Blepharipa scutellata*, *Carcelia malacosomae*, *C. spp.*, *Compsilura concinnata*, *Euphorocera claripennis*, *E. edwardsii*, *E. floridensis*, *Exorista mella*, *Lespesia datanarum*, *L. frenchii*, *L. frenchii complex*, *Mercia ampelus*, *Winthemia datanae*, Tachinidae.

major: *Compsilura concinnata*, *Euphorocera floridensis*.

ministra: *Archytas metallicus*, *Compsilura concinnata*, *Euphorocera claripennis*, *E. edwardsii*, *E. floridensis*, *Exorista mella*, *E. spp. probably*, *Lespesia aletiae*, *L.*

datanarum, *L. frenchii*, *L. frenchii* complex, *L. spp.*, *Mericia ampelus*, *M. spp.*, *Palpexorista coccyx*, *Patelloa leucaniae*, *Winthemia datanae*, *W. leucanae* lacking red at tip, *W. quadripustulata*, Tachinidae.

perspicua: *Archytas metallicus*, *Compsilura concinnata*, *Euphorocera claripennis*, *Winthemia datanae*, Tachinidae.

spp.: *Euphorocera claripennis*, *Lespesia datanarum*, *L. frenchii*, *Winthemia datanae*, Tachinidae.

Deidamia (Lep.: Sphingidae)

inscriptum: *Compsilura concinnata*.

Deilephila *gallii*, see *Hyles gallii*

Deilephila *lineata*, see *Hyles lineata*

Deilinia (Lep.: Geometridae)

erythemaria: Tachinidae.

Deloyala *clavata*, see *Plagiometriona clavata*

"**Deloyola**" *clavata*, see *Plagiometriona clavata*

Dendrobinus *howardi*, see *Gloveria howardi*

Depressaria (Lep.: Oecophoridae)

"*heracleana*," see *D. pastinacella*.

heracliana, see *D. pastinacella*.

pastinacella: *Dichaetoneura leucoptera*, *Eusisyropa blanda*, *Nemorilla pyste*, *Xanthophyto spp.*, Tachinidae.

spp.: *Eusisyropa blanda*.

Desmia (Lep.: Pyralidae)

funeralis: *Dejeaniopalpus texensis*, *Erynnia tortricis*, *Exorista spp.*, *Hyphantrophaga desmiae*, *H. hyphantriae*, *Leskiomima tenera*, *Lixophaga variabilis*, *Nemorilla pyste*, *Pseudoperichaeta erecta*, "*Tachina desmiae*," "*Tachinophyto*" *spp.*

maculalis, see *D. funeralis*.

"**Detana**" *ministra*, see *Datana ministra*

Deuteronomos (Lep.: Geometridae)

magnarius: *Madremyia saundersii*.

"**Diabrothica**" *vittata*, see *Acalymma vittata*

Diabrotica (Col.: Chrysomelidae)

"*duodecempunctata*," see *D. undecimpunctata* or *D. undecimpunctata howardi*.

duodecimpunctata, see *D. undecimpunctata* or *D. undecimpunctata howardi*.

soror, see *D. undecimpunctata* or *D. undecimpunctata undecimpunctata*.

trivittata, see *Acalymma trivittata*.

undecimpunctata, see *D. undecimpunctata* or *D. undecimpunctata undecimpunctata*.

undecimpunctata: *Celatoria diabroticae*, *C. setosa*, *Pseudomyothyria ancilla*, Tachinidae.

undecimpunctata howardi: *Celatoria diabroticae*, *C. setosa*, Tachinidae.

undecimpunctata undecimpunctata: *Celatoria diabroticae*, Tachinidae.

vittata, see *Acalymma vittata*.

spp.: *Celatoria diabroticae*.

11-punctata, see *D. undecimpunctata undecimpunctata*.

12-punctata, see *D. undecimpunctata* or *D. undecimpunctata howardi*.

Diacrisia (Lep.: Arctiidae)

virginica: *Aplomya caesar*, *Blondelia hyphantriae*, *Bombyliopsis abrupta*, *Carcelia diacrisiae*, *C. reclinata*, *Compsilura concinnata*, *Exorista mella*, *E. spp.*, *Gymnocarcelia ricinorum*, *Hubneria estigmenensis*, *Lespesia aletiae*, *L. frenchii*, *Mericia ampelus*, *M. spp.*, *Thelaira americana*, *Winthemia datanae*, Tachinidae.

Diaphania (Lep.: Pyralidae)

hyalinata: "*Leskia analis*," *Nemorilla pyste*, *Stomatodexia cothurnata*, Tachinidae.

nitidalis probably: *Thelaira* spp.

Diapheromera (Orth.: Phasmatidae)

femorata: *Euhalidaya genalis*, *Phasmophaga antennalis*, "*Tachina*" spp., Tachinidae.

spp.: *Euhalidaya genalis*.

"**Diapheromerata**" *femorata*, see *Diapheromera femorata*

"**Diarnea**" sp., see *Diatraea* spp.

Diatraea (Lep.: Pyralidae)

canella: *Lixophaga diatraeae*, *Metagonistylum minense*.

considerata: *Palpozenillia palpalis*, *Paratheresia claripalpis*.

crambidoides: *Lixophaga diatraeae*, *L. sphenophori*.

grandiosella: *Paratheresia claripalpis*.

impersonatella: *Lixophaga* spp., *Metagonistylum minense*.

lineolata, see *Zeadiatraea lineolata*.

lineolata probably, see *Zeadiatraea lineolata* probably.

magnifactella: *Paratheresia claripalpis*.

"*saccharalia*," see *D. saccharalis*.

saccharalis: "*Hypostena floridensis*," *Lixophaga diatraeae*, *L. grisea*, *L. spp.*, *Metagonistylum minense*, *Nemorilla pyste*, *Paratheresia claripalpis*, *P. spp.*, "*Phorostoma*" spp., "*Tachinophyto*" spp., Tachinidae.

saccharalis var. *crambidoides*, see *D. crambidoides* or *D. saccharalis*.

tabernella: *Paratheresia claripalpis*.

[sp.] in sugar cane, see *D. considerata*.

spp. (including *D. impersonatella* and/or *D. saccharalis*):
Paratheresia spp.

spp.: *Lespesia* sp., *Lixophaga diatraeae*, *Metagonistylum minense*, *Paratheresia claripalpis*, *P. spp.*, "Phorocera" sp., "Phorostoma" spp., Tachinidae.

spp. probably: *Paratheresia claripalpis*.

"Diatrea" *impersonatella*, see *Diatraea impersonatella*

"Diatrea" *impersonatella* or "D." *saccharalis*, see *Diatraea* spp.
(including *D. impersonatella* and/or *D. saccharalis*)

"Diatrea" *saccharalis*, see *Diatraea saccharalis*

Dicentria (Lep.: Notodontidae)

lignicolor: *Winthemia datanae*.

Dichogama (Lep.: Pyralidae)

redtenbacheri: *Eusisyropa blanda*, *E. boarmiae*.

"Dichogamma" *bergi*, see *Alatuncusia bergi*

"Dichogamma" *redtenbacheri*, see *Dichogama redtenbacheri*

Differential grasshopper, see *Melanoplus differentialis*

Differential locust, see *Melanoplus differentialis*

Dingy cutworm, see *Feltia subgothica*

Dione vanillae, see *Agraulis vanillae*

Dioryctria (Lep.: Pyralidae)

abietella: *Elfia setigera*, *Leskiomima tenera*, Gen. and sp. near *Oxynops*, Tachinidae.

abietella probably: *Phrynofrontina* spp.

amatella: *Phrynofrontina* spp., *Xanthophyto* spp.

cambiicola: Gen. and sp. near *Oxynops*.

clarioralis: *Phrynofrontina* spp.

disclusa: Gen. and sp. near *Oxynops*.

reniculella: *Aplomya caesar*, *Elfia curriei*, *Leskiomima* sp., *Phryxe pecosensis*.

spp. and/or *Laspeyresia* spp. probably, see *Olethreutid* and/or *pyralid* spp. (including *Laspeyresia* spp. and/or *Dioryctria* spp. probably).

Diprion (Hym.: Diprionidae)

frutetorum: *Diplostichus lophyri*, *Drino inconspicua*.

hercyniae: *Bessa harveyi*, *B. selecta*, *Blondelia* spp. probably, *Diplostichus lophyri*, *Drino bohémica*, *D. inconspicua*, *D. inconspicua* probably, *Euphorocera edwardsii*, *Guerinia dydas*, *Spathimeigenia spinigera*, *S. spp.*

polytomum: *Bessa selecta*, *Catagoniopsis* sp. near *specularis*, *Diplostichus lophyri*, *Drino bohémica*, *D. inconspicua*, *Euphorocera* sp. near *claripennis*, *Spathimeigenia aurifrons*, *S.* spp.

sertifer, see *Neodiprion sertifer*.

"*simile*," see *D. similis*.

similis: *Compsilura concinnata*, *Diplostichus lophyri*, *Drino inconspicua*, *Euphorocera claripennis*, *E. edwardsii*, *Winthemia quadripustulata*, Tachinidae.

sp. probably, see *Neodiprion* spp.

Diprionid (Hym.: Diprionidae)

spp. (including *Diprion* spp. and/or *Neodiprion* spp.): *Cryptomeigenia* spp., *Diplostichus lophyri*, *Euphorocera claripennis*, "*Phorocera*" *comstocki*, *Spathimeigenia spinigera*.

"*Disomycha xanthomelaena*," see *Disonycha xanthomelas*

Disonycha (Col.: Chrysomelidae)

"*xanthomelaena*," see *D. xanthomelas*.

xanthomelas: *Medina barbata*.

"*xanthomeloena*," see *D. xanthomelas*.

Dissosteira (Orth.: Acrididae)

carolina, see *D. carolina* or *Melanoplus sanguinipes*.

carolina: *Lespesia frenchii*, *L.* spp.

cornuta, see *D. pictipennis*.

longipennis: Tachinidae.

pictipennis: *Trichopoda plumipes*, *T. plumipes* probably, *T. subdivisa*.

spurcata: *Hemithrixion* sp. probably.

venusta, see *D. pictipennis*.

spp.: *Trichopoda* spp.

"*Ditraea*" *saccharalis*, see *Diatraea saccharalis*

Doryphora decemlineata, see *Leptinotarsa decemlineata*

Doryphora 10-lineata, see *Leptinotarsa decemlineata*

"*Doryphorae*" *10-lineata*, see *Leptinotarsa decemlineata*

Doryphore, see *Leptinotarsa decemlineata*

Douglas fir cone moth, see *Barbara colfaxiana*

Douglas fir tussock moth, see *Hemerocampa pseudotsugata*

Drepana (Lep.: Drepanidae)

arcuata: *Actia palloris*.

bilineata: *Actia palloris*, Tachinidae.

bilineata form *levis*, see *D. bilineata*.

Drepanulatrix (Lep.: Geometridae)

monicaria: *Chaetophlepsis rindgei*.

spp. (including *D. baueraria* and/or *D. monicaria*): *Chaetophlepsis rindgei*, *Patelloa* spp.

Dryocampa rubicunda, see *Anisota rubicunda*

Dusky birch sawfly, see *Croesus latitarsus*

Dusky stink bug, see *Euschistus tristigmus*

Dysdercus (Hem. (Heter.): Pyrrhocoridae)

andreae: *Acaulona erythropyga*, *A. peruviana*.

sanguinarius: *Acaulona erythropyga*, *A. peruviana*.

spp.: *Acaulona erythropyga*.

"**Eacle ismperialis**," see *Eacles imperialis*

Eacles (Lep.: Citheroniidae)

imperialis: *Belvosia bifasciata*, *B. townsendi*, *Drino incompta*,
Lespesia frenchii, *Winthemia citheroniae*, Tachinidae.

Earwig, see *Forficula auricularia*

Eastern blackheaded budworm, see *Acleris variana*

Eastern tent caterpillar, see *Malacosoma americanum*

Eciton (Hym.: Formicidae)

burchelli foreli probably: *Androeuryops ecitonis*.

foreli probably, see *E. burchelli foreli* probably.

Ecpantheria (Lep.: Arctiidae)

deflorata: *Aplomya helvina*, *Archytas metallicus*, *Carcelia reclinata*, *Gymnocarcelia ricinorum*, *G. ricinorum* probably, *Juriniopsis adusta*, *J. floridensis* probably, *Leschenaultia adusta*.

eridanus: *Carcelia amplexa*.

icasia: *Carcelia amplexa*, *C. lagoae*, *C. spp.*, *Leschenaultia leucophrys*, *Lespesia spp.*

permaculata, see *Turuptiana permaculata*.

scribonia, see *E. deflorata*.

Eightspotted forester, see *Alypia octomaculata*

Elaphria (Lep.: Noctuidae)

nucicolora: *Archytas spp.* (including *A. apicifer* and/or *A. californiae*), *Periscepsia helymus*, *P. laevigata*.

Elasmopalpus (Lep.: Pyralidae)

lignosellus: *Stomatomyia floridensis*.

Elder shoot borer, see *Achatodes zeae*

Eleodes (Col.: Tenebrionidae)

extricata: *Eleodiphaga caffreyi*.

hispilabris: *Eleodiphaga pollinosa*.

obsoleta: *Eleodiphaga caffreyi*.

opacus: Tachinidae.

tricostata: *Sitophaga eleodivora*, Tachinidae.

Ellopia fiscellaria, see *Lambdina fiscellaria*

Ellopia "lactea," see *Lambdina fiscellaria laeta* probably

Ellopia somniaria, see *Lambdina fiscellaria somniaria*

Elm leaf beetle, see *Pyrrhalta luteola*

- Elm sawfly, see *Cimbex americana*
Elm spanworm, see *Ennomos subsignarius*
Elm sphinx, see *Ceratonia amyntor*
Elophila fulcalis, see *Parargyractis fulcalis*
Elydna (Lep.: Noctuidae)
 nonagricola: *Chaetogaedia monticola*, *Lespesia archippivora*.
Ematurga (Lep.: Geometridae)
 amitaria: *Winthemia quadripustulata*.
Emblethis (Hem. (Heter.): Lygaeidae)
 vicarius: *Hyalomya aldrichii*.
Emphytus canadensis, see *Ametastegia pallipes*
Emphytus cinctus, see *Allantus cinctus*
Empretia stimulea, see *Sibine stimulea*
Enaphalodes (Col.: Cerambycidae)
 atomarius: *Theresia rutilans*, Tachinidae.
Endomychus (Col.: Endomychidae)
 biguttatus: *Phyllophilopsis evanida*.
Endothenia (Lep.: Olethreutidae)
 hebesana: *Clausicella floridensis*.
Eneoptera (Orth.: Gryllidae)
 spp.: *Calodexia* sp. near *agilis* or *interrupta*.
English grain aphid, see *Macrosiphum avenae*
Ennomos (Lep.: Geometridae)
 magnarius, see *Deuteronomos magnarius*.
 subsignarius: *Actia ontario*, *A.* sp. near *palloris*, *Blondelia eufitchiae*, *Chaetogaedia analis*, *Compsilura concinnata*, *Euexorista futilis*, *Euphorocera floridensis*, *Eusisyropa blanda*, *E. virilis*, *Lespesia aletiae*, *Madremyia saundersii*, *Mericia* spp., *Phryxe pecosensis*, *P. vulgaris*, *Tachinomyia nigricans*, *Xanthophyto* sp. probably, Tachinidae.
Epargyreus (Lep.: Hesperidae)
 clarus: *Acroglossa hesperidarum*, *Compsilura concinnata*, *Euphorocera claripennis*, *E. floridensis*, *Eusisyropa blanda*, *E. virilis*, *Juriniopsis adusta*, *Lespesia aletiae*, Tachinidae.
 tityrus, see *E. clarus*.
"Epiblana" strenuanum, see *Epiblema strenuanum*
Epiblema (Lep.: Olethreutidae)
 otiosanum: *Lixophaga variabilis*, *Lydella radialis*.
 otiosanum probably: *Lixophaga variabilis*.
 scudderiana: *Lixophaga variabilis*.
 strenuanum: *Dichaetoneura leucoptera*, *Lixophaga variabilis*.
 tripartitana: *Clausicella floridensis*, "Tachinophyto" spp.

"Epibleme" *otiosanum*, see *Epiblema otiosanum*

Epicauta (Col.: Meloidae)

sp.: *Pseudoperichaeta erecta*.

Epicnaptera (Lep.: Lasiocampidae)

americana: *Compsilura concinnata*, *Exorista mella*, Tachinidae.

Epiglaea (Lep.: Noctuidae)

apiata: *Cyrtophleba coquilletti*, *Madremyia saundersii*,
Periscepsia helymus, *Tachinomyia panaetius*,
Winthemia quadripustulata probably, *W. rufopicta*
probably, Tachinidae.

Epilachna (Col.: Coccinellidae)

borealis: *Aplomyiopsis epilachnae*, *Euphorocera claripennis*.
corrupta, see *E. varivestis*.

defecta: *Aplomyiopsis epilachnae*, *A. epilachnae* probably.

mexicana: *Aplomyiopsis epilachnae*.

obscurella: *Aplomyiopsis epilachnae*.

varivestis: *Aplomyiopsis epilachnae*, *Doryphorophaga*
doryphorae, *Euphorocera claripennis*, *E. floridensis*,
Helioplaga slossonae, *Hyalomyodes triangulifer*,
Lespesia aletiae, *Nemorilla pyste*, Tachinidae.

virgata: *Aplomyiopsis epilachnae*.

"**Epilachnae**" *borealis*, see *Epilachna borealis*

"**Epilachne varivestris**," see *Epilachna varivestis*

Epilampra (Orth.: Blattidae)

azteca: *Calodexia* spp.

Epinotia (Lep.: Olethreutidae)

aceriella: *Elfia* spp.

crenana probably: *Actia interrupta*.

emarginana: *Actia interrupta*.

nanana: *Schizactia vitinervis*.

similana: *Actia* spp.

solicitana: *Eulasiona comstocki*, *Psilidopteryx psilocorsiphaga*.

Episimus (Lep.: Olethreutidae)

argutanus: *Actia* spp., *Nemorilla pyste*, *Pseudoperichaeta*
erecta.

Epsilia fungorum, see *Choephora fungorum*

Erannis (Lep.: Geometridae)

tiliaria: *Icteriphyto spinosa*, *Phryxe pecosensis*, *P. vulgaris*,
Pseudotachinomyia slossonae, *Tachinomyia nigricans*,
Winthemia sinuata, Tachinidae.

Eremocoris (Hem. (Heter.): Lygaeidae)

opacus: *Catharosia lustrans*.

sp.: *Catharosia lustrans*.

Eriopus floridensis, see *Callopistria floridensis*

Eriopyga cynica, see *Orthodes cynica*

Eriopyga rufula, see *Protorthodes rufula*

Ermine moth, see *Yponomeuta padella*

Erynephila (Col.: Chrysomelidae)

maritima: "*Hypostena*" sp.

Erynnis (Lep.: Hesperidae)

brizo: *Compsilura concinnata*, *Eusisyropa blanda*.

icelus: *Compsilura concinnata*, *Drino fraudulenta*, Tachinidae.

spp. (including *E. horatius* and/or *E. juvenalis*): *Compsilura concinnata*.

spp.: *Compsilura concinnata*.

"*Estigeme*" *acraea*, see *Estigmene acraea*

Estigmene (Lep.: Arctiidae)

acraea, see *E. acraea*.

acraea: *Argyrophylax* sp. probably, *Carcelia diacrisiae*, *C. reclinata*, *C. reclinata* probably, *Compsilura concinnata*, *Eucelatoria armigera*, *Exorista mella*, *E. mella* probably, *E. spp.*, *Gymnocarcelia ricinorum*, *G. ricinorum* probably, *G. sp.*, *Hubneria estigmenensis*, *Leschenaultia adusta*, *L. leucophrys*, *Lespesia aletiae*, *L. archippivora*, *L. sp.* near *cuculliae*, *Mericia spp.*, "*Phorocera*" spp., *Sisyropa eudryae*, *Thelaira americana*, *Winthemia datanae*, Tachinidae.

spp.: *Lespesia aletiae*, *L. archippivora*.

Ethmia (Lep.: Ethmiidae)

longimaculella: *Eufrentina ethniae*.

"*Ethnia*" *longimaculella*, see *Ethmia longimaculella*

Etiella (Lep.: Pyralidae)

zinckenella: *Argyrophylax* spp., *Erynnia tortricis*.

Eubaphe (Lep.: Arctiidae)

aurantiaca rubicundaria: *Euphorocera claripennis*.

Eublaberus (Orth.: Blattidae)

posticus: *Calodexia venteris*.

Eubolina (Lep.: Noctuidae)

sp. probably: *Euphorocera claripennis*.

Eucaterva (Lep.: Geometridae)

variaria: *Hyphantrophaga hyphantriae*, Tachinidae.

"*Euchaetes*" *egle*, see *Euchaetias egle*

Euchaetias (Lep.: Arctiidae)

egle: *Bombyliopsis abrupta*, *Compsilura concinnata*, *Euexorista futilis*, *Euphorocera claripennis*, *Exorista mella*, *E. spp.*, *Hyphantrophaga euchaetiae*, *H. hyphantriae*, *Leschenaultia leucophrys*, *Lespesia archippivora*, *L. euchaetiae*, *L. frenchii*, *L. schizurae*,

Mericia spp., *Winthemia datanae*, *Zenillia libatrix*,
Tachinidae.

oregonensis: *Archytas californiae*.

"*Euchausia*" *argentata*, see *Halisidota argentata*

Eucheira (Lep.: Pieridae)

socialis: *Eucheirophaga lugubris*, *Eusisyropa virilis*, *Winthemia*
spp.

Euclea (Lep.: Limacodidae)

"*ceppus*," see *E. cippus*.

cippus, see *E. cippus* or *E. delphinii*.

cippus: *Anaporia pristis*, *Eusisyropa blanda*.

delphinii: *Eusisyropa blanda*, *E. virilis*, Tachinidae.

Eucordylea canusella, see *Coleotechnites canusella*

Eucosma (Lep.: Olethreutidae)

rescissoriana: *Psalidopteryx psilocorsiphaga*, *P. sp.*

ridingsana: *Coloradomyia eucosmaphaga*.

scudderiana: *Lespesia* spp.

sp.: *Leskiomima tenera*.

Eucymatoge monticolans, see *Eupithecia monticolans*

Eudamus proteus, see *Urbanus proteus*

Eudamus tityrus, see *Epargyreus clarus*

Eudioptis hyalinata, see *Diaphania hyalinata*

Eudryas grata, see *Euthisanotia grata*

Eudryas unio, see *Euthisanotia unio*

Eudryas spp., see *Euthisanotia* spp.

Euetheola (Col.: Scarabaeidae)

rugiceps: *Eutrixa exilis*, *Megapariopsis opaca*, *Microphthalma*
disjuncta.

Eufitchia ribearia, see *Itame ribearia*

Eugonia j-album, see *Nymphalis vau-album j-album*

Eugonobapta (Lep.: Geometridae)

nivosaria: *Actia* sp. near *palloris*, *Compsilura concinnata*.

Eulepte (Lep.: Pyralidae)

concordalis: *Argyrophylax albincisa*.

concordalis probably: *Carcelia lagoae*.

Eulia mariana, see *Argyrotaenia mariana*

Eulia quadrifasciana, see *Argyrotaenia quadrifasciana*

Eulype (Lep.: Geometridae)

hastata: Tachinidae.

Eumarozia (Lep.: Olethreutidae)

malachitana: *Lixophaga variabilis*.

Euparthenos (Lep.: Noctuidae)

nubilis: Tachinidae.

Euphydrias (Lep.: Nymphalidae)*editha taylori*: *Siphosturmia confusa*.*phaeton*: *Compsilura concinnata*.**Eupithecia** (Lep.: Geometridae)*coagulata* probably: *Clausicella turmalis*.*gibsonata*: *Blondelia eufitchiae*.*luteata*: *Bessa harveyi*.*monticolans*: *Chaetogaedia monticola*.**Euproctis** (Lep.: Lymantriidae)"chrysorrhoea," see *E. chrysorrhoea*.*chrysorrhoea*: *Blepharipa scutellata*, *Carcelia amplexa*, *C. laxifrons*, *Compsilura concinnata*, *Euphorocera claripennis*, *Exorista mella*, *E. spp.*, *Leschenaultia leucophrys*, *Madremyia saundersii*, *Patelloa leucaniae*, *P. leucaniae* probably, *P. pachypyga*, *Phrynofrontina discalis*, *Townsendiellomyia nidicola*, *Zenillia libatrix*.*chrysorrhoea* probably: *Eusisyropa blanda*.**Eupseudosoma** (Lep.: Arctiidae)*involutum floridanum*: *Lespesia* sp. near *laniiferae*.**Eupsilia** (Lep.: Noctuidae)*devia*: *Mericia arcuata* probably, *Periscepsia helymus*.*spp.* (including *E. morrisoni* and/or *E. sidus*): *Cyrtophleba coquilletti*, Tachinidae.European corn borer, see *Ostrinia nubilalis*European crane fly, see *Tipula paludosa*European earwig, see *Forficula auricularia*European honeysuckle leafroller, see *Harpipteryx xylostella*"European" larch sawfly, see *Pristiphora erichsonii*European pine sawfly, see *Neodiprion sertifer*European pine shoot moth, see *Rhyacionia buoliana*"European" satin moth, see *Stilpnotia salicis*European spruce sawfly, see *Diprion hercyniae***Eurygaster** (Hem. (Heter.): Pentatomidae)*spp.*: *Gymnosoma fuliginosum*, *Phasia nigra*.**Eurymus eurytheme**, see *Colias eurytheme***Euryophthalmus cinctus californicus**, see *Largus cinctus californicus***Euryptychia saligneana**, see *Eucosma scudderiana***Euschistus** (Hem. (Heter.): Pentatomidae)*ictericus*: *Euthera tentatrix*.*ictericus*, *Mormidea pictiventris*, "Nezera" *viridula* and/or *Solubea pugnax*, see Pentatomid *spp.* (including *E. ictericus*, *M. pictiventris*, *Nezara viridula* and/or *Oebalus pugnax*).*impictiventris*: *Gymnosoma fuliginosum*.

servus: *Cylindromyia binotata*, *Euthera tentatrix*, *Gymnosoma fuliginosum*, *Trichopoda pennipes*.

tristigmus: *Euthera tentatrix*.

tristigmus var. *luridus*, see *E. tristigmus*.

variolarius: *Cylindromyia binotata*, *C. fumipennis*, *Euthera tentatrix*, *Gymnoclytia immaculata*, *G. occidua*, *Gymnosoma fuliginosum*, *Trichopoda pennipes*.

"*Eutheola*" *rugiceps*, see *Eutheola rugiceps*

Euthisanotia (Lep.: Noctuidae)

grata: *Chaetophlepsis eudryae*, *Compsilura concinnata*, *Sisyropa eudryae*, *Winthemia leucanae*, *W. leucanae* probably, Tachinidae.

unio: *Sisyropa eudryae*.

spp.: *Sisyropa eudryae*.

Euthochtha (Hem. (Heter.): Coreidae)

galeator: *Trichopoda pennipes*.

"*Euvanesia*" *antiopa*, see *Nymphalis antiopa*

Euvanessa antiopa, see *Nymphalis antiopa*

Euxoa (Lep.: Noctuidae)

auxiliaris: *Bonnetia comta*, *Euphorocera claripennis*, *Mericia* spp., *Peleteria* "tessellata," *P. "tessellata"* probably, *P. texensis*, *Periscepsia cinerosa*, *P. helymus*, *P. laevigata*, Tachinidae.

messoria: *Aphria ocypterata*, *Bonnetia comta*, *Nowickia algens*.

messoria probably: *Bonnetia comta*, *Euphorocera edwardsii*.

ochrogaster: *Bonnetia comta*, *Gonia aldrichi*, *G. breviforceps*, *G. fuscicollis*, *G. spp.*, *Periscepsia helymus*, *Winthemia quadripustulata*.

pallipennis: *Periscepsia rohweri*.

ridingsiana: *Peleteria texensis*.

scandens: Tachinidae.

tristicula: *Bonnetia comta*, *Gonia longiforceps*, *Periscepsia rohweri*.

vestigialis: *Lespesia archippivora*.

spp. (including *E. messoria* and/or *E. ochrogaster*): *Bonnetia comta*, *Euphorocera edwardsii*, *Gonia aldrichi* probably.

Evagora sp., see *Coleotechnites* sp.

Evergestis (Lep.: Pyralidae)

rimosalis: *Lespesia aletiae*.

straminalis: *Compsilura concinnata*, *Phryxe vulgaris*.

Evergreen bagworm, see *Thyridopteryx ephemeraeformis*

Evetria pasadenana, see *Rhyacionia pasadenana*

Evetria sp. probably, see *Rhyacionia* sp. probably

Evora (Lep.: Olethreutidae)

hemidesma: *Erynnia tortricis*, *Nemorilla pyste*, *Pseudo-perichaeta erecta*.

Exartema (Lep.: Olethreutidae)

sericorandum: *Nemorilla pyste*.

Exoteleia (Lep.: Gelechiidae)

pinifoliella: *Schizactia vitinervis*.

pinifoliella probably: *Schizactia vitinervis*.

Eyespotted bud moth, see *Spilonota ocellana*

Fall armyworm, see *Spodoptera frugiperda*

Fall cankerworm, see *Alsophila pometaria*

Fall webworm, see *Hyphantria cunea*

False chinch bug, see *Nysius ericae*

False hemlock looper, see *Nepytia canosaria*

Faronta (Lep.: Noctuidae)

diffusa: *Euphorocera claripennis*, *Lespesia frenchii*, *L. spp.*,
Periscepsia helymus, *Winthemia quadripustulata*,
Tachinidae.

Feltia (Lep.: Noctuidae)

annexa, see *F. subterranea*.

ducens: *Gonia fuscicollis*.

ducens-subgothica, see *F. ducens-F. subgothica* complex.

ducens-F. subgothica complex: *Euphorocera claripennis*,
Gonia frontosa, *Winthemia quadripustulata*.

gladiaria, see *Agrotis gladiaria*.

herilis: *Euphorocera claripennis*, *Winthemia quadripustulata*.

malefida, see *Agrotis malefida*.

subgothica: *Euphorocera claripennis*, *Triachora omissa*.

sp. near *subgothica*: *Lespesia archippivora*.

subterranea: *Bonnetia comta*, *Gonia crassicornis*, *G. longipulvilli*, *Lespesia archippivora*, *Spallanzania hebes*.

venerabilis, see *Agrotis venerabilis*.

Fentonia (Lep.: Notodontidae)

marthesia: *Compsilura concinnata*, *Sisyropa eudryae* probably.

Fiery hunter, see *Calosoma calidum*

Filament borer, see *Nematocampa filamentaria*

Filatima (Lep.: Gelechiidae)

monotaeniella: *Eusisyropa blanda* probably.

persicaeella: *Nemorilla pyste*, *Pseudomyothyria ancilla*.

Filbertworm, see *Melissopus latiferreanus*

Flax bollworm, see *Heliothis ononis*

Florida fern caterpillar, see *Callopistria floridensis*

Forage looper, see *Caenurgina erechtea*

Forest tent caterpillar, see *Malacosoma disstria*

Forest tent caterpillar and/or western tent caterpillar, see *Malacosoma* spp. (including *M. californicum pluviale* and/or *M. disstria*)

Forficula (Dermaptera: Forficulidae)

auricularia: *Bigonicheta spinipennis*, *Ocytata pallipes*.

Fruittree leafroller, see *Archips argyrospilus*

Frumenta (Lep.: Gelechiidae)

nundinella: *Lixophaga mediocris*.

Galeruca "bachardis," see *Trirhabda bacharidis*

Galerucella *luteola*, see *Pyrrhalta luteola*

Galerucella *xanthomelaena*, see *Pyrrhalta luteola*

Galleria (Lep.: Pyralidae)

mellonella: *Ceromasia auricaudata*, *Lydella thompsoni*.

Gelechia *confusella*, see *Filatima persicaeella*

Gelechia *monotaeniella*, see *Filatima monotaeniella*

Gelechiid webber(-s) (Lep.: Gelechiidae)

Gelechiid webber(-s): *Eusisyropa blanda*.

Geocoris (Hem. (Heter.): Lygaeidae)

bullatus: *Hyalomya aldrichii*.

punctipes: *Hyalomya aldrichii*.

uliginosus speculator: *Hyalomya aldrichii*.

Geometridae (Lep.: Geometridae)

Unidentified: *Aplomya helvina*, *Bessa harveyi*, *Compsilura concinnata*, *Eucelatoria armigera*, *Lespesia frenchii*, *Winthemia sinuata* probably, *Xanthoepalpus bicolor*.

Geophilus (Geophilomorpha (Chilopoda): Geophilidae)

sp. probably: *Exoristoides harrisi*.

Gilpinia *frutetorum*, see *Diprion frutetorum*

Gilpinia *hercyniae*, see *Diprion hercyniae*

"Gipsy" moth, see *Porthetria dispar*

Glaea (Lep.: Noctuidae)

sp.: *Periscepsia* sp.

Glassy cutworm, see *Crymodes devastator*

Gloveria (Lep.: Lasiocampidae)

howardi: *Aplomya theclarum*, *Hyphantrophaga hyphantriae*.

Gluphisia (Lep.: Notodontidae)

septentrionalis: *Eusisyropa virilis*.

"septentrionis," see *G. septentrionalis*.

Gnorimoschema (Lep.: Gelechiidae)

spp.: *Actia* spp., *Frontiniella parancilla*.

Golden buprestid, see *Buprestis aurulenta*

Golden tortoise beetle, see *Metriona bicolor*

"Gortina" *nitela*, see *Papaipema nebris*

Gortyna immanis, see *Hydroecia immanis*

Gortyna nitela, see *Papaipema nebris*

Gracillaria (Lep.: Gracillariidae)

negundella: *Aplomya caesar*.

Granulate cutworm, see *Feltia subterranea*

Grape cane gallmaker, see *Ampelogypter sesostris*

Grape flea beetle, see *Altica chalybea*

Grape leaffolder, see *Desmia funeralis*

Grapeleaf skeletonizer, see *Harrisina americana*

Grape plume moth, see *Pterophorus periscelidactylus*

Grapevine looper, see *Lygris diversilineata*

Graphiphora smithii, see *Amathes smithii*

Grapholitha (Lep.: Olethreutidae)

molesta: *Actia interrupta*, *Admontia degeeriodes*, *Dichae-
toneura leucoptera*, *Elephantocera greeni*, *Elodia
flavipalpis*, *E. subfasciata*, *E. tragica*, *Erynnia tortricis*,
Leskiella brevirostris probably, *Leskiomima tenera*,
Lespesia spp., *Lixophaga mediocris*, *L. parva*, *L.
plumbea*, *L. variabilis*, *Nemorilla pyste*, *Pseudoperi-
chaeta erecta*, *P. insidiosa*, *Strobliomyia tibialis*, Tach-
inidae.

Graptolitha antennata, see *Lithophane antennata*

Graptolitha disposita, see *Lithophane disposita*

Graptolitha disposita and/or *G. innominata*, see *Lithophane* sp.
(including *L. disposita* and/or *L. innominata*)

Graptolitha disposita, *G. innominata* and/or *G. petulca*, see *Litho-
phane* spp. (including *L. disposita*, *L. innominata* and/or *L.
petulca*)

Graptolitha innominata, see *Lithophane innominata*

Graptolitha sp., see *Lithophane* spp.

Grasshopper(-s) (Orth.: Acrididae)

Grasshopper(-s): *Acemya tibialis*, *A. spp.*, *Ceracia dentata*, *C.
spp.*, *Cylindromyia "carolinae," Euphorocera clari-
pennis*, *Hemithrixion oestriforme*, *H. plankii*, *H. sp.*,
Leucostoma simplex, *Winthemia militaris*, Tachinidae.

Graybanded leafroller, see *Argyrotaenia mariana*

Great ash sphinx, see *Sphinx chersis*

Greater wax moth, see *Galleria mellonella*

Green cloverworm, see *Plathypena scabra*

Green fruitworm, see *Lithophane antennata*

Greenheaded spruce sawfly, see *Pikonema dimmockii*

Greenhouse leaf-tier, see *Udea rubigalis*

Green looper(-s) (Lep.: Unidentified Lepidoptera)

Green looper(-s): *Euphorocera tachinomoides*, *Voria ruralis*.

- Green stink bug, see *Acrosternum hilare*
 Greenstriped grasshopper, see *Chortophaga viridifasciata*
 Greenstriped mapleworm, see *Anisota rubicunda*
Gretchena (Lep.: Olethreutidae)
 bolliana: *Eusisyropa blanda*.
Griselda (Lep.: Olethreutidae)
 radicana probably: *Psaliapteryx nuda*.
Gryllus (Orth.: Gryllidae)
 abbreviatus, see *G. pennsylvanicus*.
 assimilis, see *G. spp.*
 pennsylvanicus: *Exoristoides johnsoni*.
 spp.: *Euphasiopteryx ochracea*, *Exoristoides johnsoni*.
 Gusano cortador, see Cutworm(-s)
 Gusanos de maiz, see Lepidoptera, miscellaneous
 Gypsy moth, see *Porthetria dispar*
Hadena apamiformis, see *Apamea apamiformis*
Hadena devastatrix, see *Crymodes devastator*
Hadena lignicolor, see *Apamea lignicolor*
Hadena turbulenta, see *Phosphila turbulenta*
Haemorrhagia diffinis, see *Hemaris diffinis*
 Hag moth, see *Phobetron pithecium*
 "Halesidota" *argentata*, see *Halisidota argentata*
 "Halesidota" *spp.*, see *Halisidota spp.*
 "Halisidota" *maculata*, see *Halisidota maculata*
 "Halisidota" *tessellaris*, see *Halisidota tessellaris*
Halisidota (Lep.: Arctiidae)
 argentata: *Anaporia pristis*, *Compsilura concinnata*, *Leschenaultia adusta*, *L. americana*, *L. halisidotae*, *L. spp.*,
 "Macquartia" *spp.*, *Tachinomyia similis*, *Uramya halisidotae*.
 caryae: *Bombyliopsis abrupta*, *Compsilura concinnata*,
 Leschenaultia adusta, *L. halisidotae*, *L. spp.*, *Lespesia archippivora*, *L. frenchii*, "Myiophasia atra,"
 Tachinidae.
 edwardsi, see *Hemihyalea edwardsi*.
 harrisii: *Blondelia hyphantriae*, *Compsilura concinnata*, *Exorista mella*, *Leschenaultia adusta*, *L. halisidotae*, *Lespesia aletiae*.
 maculata: *Bombyliopsis abrupta*, *Compsilura concinnata*,
 Leschenaultia adusta, *L. halisidotae*, *Lespesia aletiae*,
 "Phorocera" *halisidotae*, Tachinidae.
 tessellaris: *Blondelia eufitchiae*, *B. hyphantriae*, *Bombyliopsis abrupta*, *Carcelia yalensis*, *Compsilura concinnata*,
 Euphorocera claripennis, *Exorista mella*, *Leschenaultia*

adusta, *L. halisidotae*, *Lespesia aletiae*, *L. euchaetiae*,
L. frenchii, *Winthemia quadripustulata*, "Zenillia"
 spp., Tachinidae.

"tessellata," see *H. tessellaris*.

spp.: *Carcelia lagoae*, *Juriniopsis aurifrons*, *Leschenaultia*
adusta, *Lespesia aletiae*.

Haltica bimarginata, see *Altica bimarginata*

Haltica "bimarginata," see *Altica bimarginata*

Haltica probata, see *Altica probata*

Hamadryas antiopa, see *Nymphalis antiopa*

Hamadryas j-album, see *Nymphalis vaughani* *j-album*

Hamadryas milberti, see *Nymphalis milberti*

Haploa (Lep.: Arctiidae)

lecontei: "Zenillia" spp.

lecontei including form *militaris*, see *H. lecontei*.

Harlequin bug, see *Murgantia histrionica*

Harmologa fumiferana, see *Choristoneura fumiferana*

Harmonia pini, see *Vespamima pini*

Harmostes (Hem. (Heter.): Coreidae)

reflexulus: *Leucostoma acirostre*.

Harpiphorus tarsatus, see *Macremphytus tarsatus*

Harpiteryx (Lep.: Plutellidae)

xylostella: Tachinidae.

Harpyia cinerea, see *Cerura cinerea*

Harrisina (Lep.: Zygaenidae)

americana: *Euphorocera claripennis*, *E. floridensis*, *Sturmia*
harrisinae, *S. harrisinae* probably, *S. sp.* near *harrisinae*.

brillians: *Euphorocera sp.* near *tachinomoides*, "Phorocera"
 spp., *Sturmia harrisinae*, *S. harrisinae* probably.

spp.: "Phorocera" spp., *Sturmia harrisinae* probably.

Hawaiian beet webworm, see *Hymenia recurvalis*

Hawk moth(-s) (Lep.: Sphingidae)

Hawk moth(-s): *Belvosia bicincta*.

Hedylepta (Lep.: Pyralidae)

accepta: *Chaetogaedia monticola*, *Eucelatoria armigera*,
Lespesia archippivora, Tachinidae.

blackburni: *Chaetogaedia monticola*, *Eucelatoria armigera*,
Lespesia archippivora.

continuatalis: *Chaetogaedia monticola*.

indicata: *Argyrophylax albincisa*, *Drino cubaecola*, *Eucelatoria*
 spp., *Nemorilla pyste*.

Heliophila (Lep.: Noctuidae)

albilinea, see *Faronta diffusa*.

commoides, see *Leucania commoides*.

unipuncta, see *Pseudaletia unipuncta*.

"*unipunctata*," see *Pseudaletia unipuncta*.

spp.: *Archytas marmoratus*, *A. spp.* (including *A. apicifer* and/or *A. californiae*), *Peleteria texensis*.

Heliothis (Lep.: Noctuidae)

armigera, see *H. zea*.

armigera, *Laphygma frugiperda*, *Prodenia dolichos*, *P. eridania* and/or *P. ornithogalli*, see Noctuid spp. (including *H. zea*, *P. dolichos*, *Spodoptera eridania*, *S. frugiperda* and/or *S. ornithogalli*).

hawaiiensis: *Eucelatoria armigera*, *Lespesia archippivora*.

obscura, see *H. zea*.

obsoleta, see *H. zea*.

ononis: *Athanatus californicus*.

phloxiphaga: *Eucelatoria armigera*.

virescens: *Carcelia illota*, *Chaetogaedia monticola*, *Eucelatoria armigera*, *Euphorocera claripennis*, *Lespesia spp.*, *Metaplagia occidentalis*, *Palectorista laxa*.

zea: *Archytas marmoratus*, *Carcelia illota*, *Eucelatoria armigera*, *E. spp.*, *Euphorocera claripennis*, *E. floridensis*, *E. tachinomoides*, *Gonia spp.*, *Gymnochaetopsis fulvicauda*, *Hyphantrophaga hyphantriae*, *Lespesia aletiae*, *L. archippivora*, *L. frenchii*, *L. spp.*, *Metaplagia occidentalis*, *Nemorilla pyste*, *Voria aurifrons*, *Winthemia quadripustulata*, *W. rufopicta*, *W. spp.*, Tachinidae.

spp. (including *H. hawaiiensis* and/or *H. zea*): *Eucelatoria armigera*, *Lespesia archippivora*.

spp.: *Archytas marmoratus*, *Chaetogaedia sp. near analis*, *Eucelatoria armigera*, *Euphorocera omissa*, *E. tachinomoides*, *Lespesia aletiae*, *L. archippivora*, *Plagiomima cognata*, *P. spinosula* probably, *Winthemia rufopicta*, *W. spp.* probably, Tachinidae.

Hellula (Lep.: Pyralidae)

phidilealis: *Nemorilla pyste*.

rogatalis: *Nemorilla pyste*, *Stomatomyia sp.*

undalis, see *H. rogatalis*.

Hemaris (Lep.: Sphingidae)

diffinis: *Winthemia quadripustulata*, *W. rufopicta*.

thysbe: *Compsilura concinnata*, Gen. and sp. near *Thysanomyia*, Tachinidae.

Hemerocampa (Lep.: Lymantriidae)

leucostigma: *Bessa selecta*, *Carcelia amplexa*, *C. perplexa*, *C. yalensis*, *Compsilura concinnata*, *Drino inconspicua*,

Euphorocera claripennis, *E. edwardsii*, "Exorista" *lobeliae*, *E. mella*, *E. spp.*, *Leschenaultia spp.*, *Lespesia aletiae*, *L. frenchii*, *L. spp.*, *Patelloa leucaniae*, "Phorocera" *spp.*, *Sisyropa spp.*, *Winthemia datanae*, *W. quadripustulata*, Tachinidae.

oslari, see *H. leucostigma*.

pseudotsugata: *Exorista mella*, Tachinidae.

vetusta: *Exorista mella*, *Lespesia frenchii*, *Patelloa fuscimacula*, *Peleteria texensis*, *Tachinomyia panaetius*, *T. similis*.

"Hemerocampe" *leucostigma*, see *Hemerocampa leucostigma*

Hemerophila pariana, see *Anthophila pariana*

Hemichroa (Hym.: Tenthredinidae)

crocea: *Bessa harveyi*, *B. selecta*, *Drino bohémica*.

Hemihyalea (Lep.: Arctiidae)

edwardsi: *Leschenaultia adusta*.

Hemileuca (Lep.: Saturniidae)

artemis, see *H. nevadensis*.

electra: *Euphorocera claripennis*.

lucina: *Leschenaultia fulvipes*.

maia: *Argyrophylax spp.*, *Compsilura concinnata*, *Drino incompta*, *Leschenaultia fulvipes*, *Lespesia aletiae*, *L. spp.*

maia nevadensis, see *H. nevadensis*.

nevadensis: *Euphorocera claripennis*, "Sturmia" sp. probably.

oliviae: *Compsilura concinnata*, *Euphorocera claripennis*, *Exorista mella*.

spp. (including *H. lucina* and/or *H. maia*): *Belvosia bifasciata*, *Carcelia malacosomae*, *Compsilura concinnata*, *Euphorocera claripennis*, *Leschenaultia fulvipes*, *Phryxe pecosensis*, *P. vulgaris*, *Winthemia spp.*, Tachinidae.

sp.: *Belvosia bifasciata*.

sp. probably: *Belvosia bifasciata*.

Hemiptera (Heteroptera) (Hem. (Heter.): Unidentified Hemiptera (Heteroptera))

Miscellaneous: *Hyalomya aldrichii*.

Hemlock looper, see *Lambdina fiscellaria*

Hemlock sawfly, see *Neodiprion tsugae*

Heodes thoe, see *Lycaena thoe*

Hepialus (Lep.: Hepialidae)

pharus: Tachinidae.

Heptagrotis (Lep.: Noctuidae)

phyllophora: *Phryxe pecosensis*.

Heraclides cresphontes, see *Papilio cresphontes*

Herpetogramma (Lep.: Pyralidae)*bipunctalis*: *Nemorilla pyste*.*licarsisalis*: *Eucelatoria armigera*.**Herse cingulata**, see *Agrius cingulatus***Herse cingulata** probably, see *Agrius cingulatus* probably**Herse convolvuli**, see *Agrius convolvuli***Hesperia tityrus**, see *Epargyreus clarus***Hesperiid** (Lep.: Hesperiidae)spp. (including *Cymaenes tripunctus*, *Nyctelius nyctelius*,
and/or *Panoquina sylvicola*): Tachinidae.**Hesperiidae** (Lep.: Hesperiidae)Unidentified: *Belvosia ciliata*, *Compsilura concinnata*.**Heterocampa** (Lep.: Notodontidae)*bilineata*: *Sisyropa* spp.*biundata*: *Lespesia schizurae*.*guttivitta*: *Actia* spp., *Blondelia hyphantriae*, *Compsilura concinnata*, *Patelloa leucaniae*, *Spathimeigenia hylotomae* probably, *Winthemia quadripustulata*, *W. rufopicta* probably, Tachinidae.*manteo*: *Lespesia aletiae*.*marthesia*, see *Fentonia marthesia*.*umbrata*: *Compsilura concinnata*, *Lespesia* spp.sp.: *Lespesia schizurae*.**Hibernia tiliaria**, see *Erannis tiliaria***Hickory horned devil**, see *Citheronia regalis***Hickorynut curculio**, see *Conotrachelus affinis***Hickory plant bug**, see *Lygocoris caryae***Hickory shuckworm**, see *Laspeyresia caryana***Hickory tussock moth**, see *Halisidota caryae***High Plains grasshopper**, see *Dissosteira longipennis***Hog moth(-s)** (Lep.: Unidentified Lepidoptera)Hog moth(-s): "*Phorocera*" spp.**Holcostethus** (Hem. (Heter.): Pentatomidae)*limbolarius*: *Alophorella pulverea*.**Homoeosoma** (Lep.: Pyralidae)*electellum*: *Clausicella floridensis*, *C. neomexicana*, *C. opaca*,
Erynnia tortricis, *Leskiomima tenera*, *Lixophaga variabilis*."Homoesoma" *electellum*, see *Homoeosoma electellum***Hop looper**, see *Hypena humuli***Horned passalus**, see *Popilius disjunctus***Horned squash bug**, see *Anasa armigera***Hornworm**, see *Manduca sexta***Horse fly (flies)** (Dipt.: Tabanidae)Horse fly (flies): *Carinosillus tabanivorus*.

“*Hulstea*” *undulatella*, see *Hulstia undulatella*

Hulstia (Lep.: Pyralidae)

undulatella: *Nemorilla pyste*, *Stomatomyia parvipalpis*.

Hyalophora (Lep.: Saturniidae)

calleta: *Belvosia nigrifrons*, *Lespesia frenchii*.

cecropia, see *Platysamia cecropia*.

columbia: *Lespesia frenchii*.

columbia nokomis, see *H. nokomis*.

euryalus, see *Platysamia euryalus*.

gloveri: *Lespesia ciliata*.

nokomis: *Lespesia ciliata*.

promethea, see *Callosamia promethea*.

rubra, see *Platysamia euryalus*.

sp.: *Lespesia ciliata*.

Hybomitra (Dipt.: Tabanidae)

epistates: *Carinosillus tabanivorus*.

lasiophthalma: Tachinidae.

metabola: *Carinosillus tabanivorus*.

nuda: *Carinosillus tabanivorus*.

trepida: *Carinosillus tabanivorus*.

trispila sodalis probably: *Carinosillus novaeangliae*.

spp.: *Carinosillus tabanivorus*.

“*Hydelepta*” *indicata*, see *Hedylepta indicata*

Hydria (Lep.: Geometridae)

undulata, see *H. undulata* or *H. spp.* (including *H. prunivorata* and/or *H. undulata*).

undulata: *Drino inconspicua*, *Eusisyropa blanda*.

spp. (including *H. prunivorata* and/or *H. undulata*): *Chryso-exorista marginata*, *Compsilura concinnata*.

Hydroecia (Lep.: Noctuidae)

immanis: *Euphorocera claripennis*, *Lespesia frenchii*, *Lydella radialis*.

nitela, see *Papaipema nebris*.

Hylephila (Lep.: Hesperidae)

phyleus: *Stomatomyia parvipalpis*.

Hyles (Lep.: Sphingidae)

gallii: *Compsilura concinnata*.

lineata: *Compsilura concinnata*, *Drino incompta*, “*Tachina*” spp., *Winthemia deilephilae*, *W. quadripustulata*, Tachinidae.

Hylesia (Lep.: Saturniidae)

alinda: *Belvosia recticornis*.

darlingi: *Belvosia recticornis*.

sp.: *Belvosia recticornis*.

Hyloicus chersis, see *Sphinx chersis*

Hyloicus drupiferarum, see *Sphinx drupiferarum*

Hyloicus gordius, see *Sphinx gordius*

Hyloicus kalmiae, see *Sphinx kalmiae*

Hyloicus luscitiosa, see *Sphinx luscitiosa*

Hylotoma "hemeralis," see *Arge humeralis*

Hylotoma humeralis, see *Arge humeralis*

Hylotoma macleayi, see *Arge clavicornis* complex

Hymenia (Lep.: Pyralidae)

fascialis, see *H. recurvalis*.

perspectalis: *Argyrophylox albincisa*.

recurvalis: *Argyrophylox albincisa*, *Chaetogaedia monticola*,
Eucelatoria armigera, *E. spp.*, *Nemorilla pyste*.

Hypena (Lep.: Noctuidae)

humuli: *Blondelia eufitchiae*, *Ceromasia aurifrons*, *Eusisyropa*
blanda, *E. boarmiae*.

Hypera (Col.: Curculionidae)

nigrirostris: *Lixophaga* sp. near *variabilis*.

postica: *Hyalomyodes triangulifer*, *Madremyia saundersii*.

punctata: *Hyalomyodes triangulifer*.

Hyperaeschra (Lep.: Notodontidae)

stragula: *Winthemia datanae*, Tachinidae.

Hyperchiria io, see *Automeris io*

Hyphantria (Lep.: Arctiidae)

cunea: *Archytas aterrimus*, *Blondelia eufitchiae*, *B. hyphan-*
triae, *Bombyliopsis abrupta*, *Carcelia malacosomae*, *C.*
protuberans, *Ceromasia auricaudata*, *Compsilura*
concinata, *Euphorocera claripennis*, *E. floridensis*,
Eusisyropa blanda, *E. boarmiae*, *E. virilis*, *Hyphantro-*
phaga hyphantriae, *Lespesia aletiae*, *L. frenchii*,
Mericia ampelus, *M. arcuata*, *M. johnsoni*, *M. spp.*, *M.*
spp. probably, *Winthemia spp.*, Tachinidae.

textor: *Blondelia eufitchiae*, *B. hyphantriae*, *Compsilura*
concinata, *Eusisyropa blanda*, *E. boarmiae*, *Exorista*
mella, *Hyphantrophaga hyphantriae*, *Mericia ampelus*,
"Tachina" spp.

spp.: *Compsilura concinnata*, *Lespesia aletiae*, *Mericia ampelus*,
M. spp. probably.

Hyphoraia parthenos, see *Parasemia parthenos*

Hyponomeuta multipunctella, see *Yponomeuta multipunctella*

Hyppa (Lep.: Noctuidae)

xylinoides: *Euexorista futilis*.

Hypsoropha (Lep.: Noctuidae)

hormos: *Lespesia frenchii*, *L. spp.*

Ianassa lignicolor, see *Dicentria lignicolor*

Ichthyura (Lep.: Notodontidae)

albosigma: *Eusisyropa virilis*.

inclusa: *Compsilura concinnata*, *Euphorocera claripennis*, *E. floridensis*, *Exorista mella*, *Lespesia frenchii*, *L. melalophae*, *L. spp.*, *Winthemia spp.*, *Zenillia libatrix*, Tachinidae.

strigosa: *Eusisyropa virilis*.

spp. (including *I. apicalis* or *I. inclusa*): *Euphorocera floridensis*, *Lespesia spp.*

"**Ichthyura**" *inclusa*, see *Ichthyura inclusa*

Illice nexa, see *Cisthene nexa*

Imperial moth, see *Eacles imperialis*

Imported cabbageworm, see *Pieris rapae*

Imported currantworm, see *Nematus ribesii*

Indian meal moth, see *Plodia interpunctella*

Introduced pine sawfly, see *Diprion similis*

Io moth, see *Automeris io*

Iris borer, see *Macronoctua onusta*

Isa inornata, see *Sisyrosea textula*

Isia (Lep.: Arctiidae)

isabella: *Euexorista futilis*, *Exorista mella*, *Hubneria estigmenensis*, *Mystacella spp.*, *Parachaeta fusca*, *P. spp.*, *Thelaira spp.*, *Winthemia datanae* probably, Tachinidae.

Isophrictis (Lep.: Gelechiidae)

similiella denotata: "Tachinophyto" spp.

Isturgia (Lep.: Geometridae)

truncataria: *Eusisyropa blanda*, *E. boarmiae*.

Itame (Lep.: Geometridae)

flavicaria: *Blondelia eufitchiae*.

fulvaria probably: *Chaetophlepsis semiothisae*.

pustularia: *Tachinomyia nigricans*, Tachinidae.

quadrilinearia: *Blondelia eufitchiae*.

ribearia: *Blondelia eufitchiae*, *Compsilura concinnata*, Tachinidae.

sulphurea: *Euphorocera claripennis*.

Jack pine budworm, see *Choristoneura pinus*

Jack pine sawfly, see *Neodiprion pratti banksianae*

Japanese beetle, see *Popillia japonica*

Jasoniades glaucus, see *Papilio glaucus*

June beetles, see June beetle(-s) or *Phyllophaga spp.*

June beetle(-s) (Col.: Scarabaeidae)

June beetle(-s): *Eutrixa exilis*, *Microphthalma disjuncta*.

Lachnosterna (Col.: Scarabaeidae)

allied genera of, see Scarabaeid spp. (allied genera of *Phyllophaga* spp.).

arcuata, see *Phyllophaga fervida*.

crassissima, see *Phyllophaga crassissima*.

crenaticollis probably: *Cryptomeigenia aurifacies*.

"*crenatocollis*" probably, see *L. crenaticollis* probably.

crenulata, see *Phyllophaga crenulata*.

fusca, see *Phyllophaga fusca*.

futilis, see *Phyllophaga futilis*.

hogardi, see *Chemarachis hogardi*.

"*implicata*," see *Phyllophaga implicita*.

inversa, see *Phyllophaga inversa*.

portoricensis, see *Phyllophaga portoricensis*.

rubiginosa, see *Phyllophaga rubiginosa*.

rugosa, see *Phyllophaga rugosa*.

vandinei, see *Chemarachis vandinei*.

or other "scarbaeid" beetles, see Scarabaeid spp. (including *Phyllophaga* spp. or other Scarabaeidae).

spp., see *Phyllophaga crenulata* or *Phyllophaga* spp.

Lacinipolia (Lep.: Noctuidae)

renigera: *Chaetogaedia analis*.

Lagoa (Lep.: Megalopygidae)

crispata, see *Megalopyge crispata*.

opercularis, see *Megalopyge opercularis*.

pyxidifera, see *Megalopyge pyxidifera*.

spp.: *Carcelia lagoae*, *Euphorocera claripennis*.

Lambdina (Lep.: Geometridae)

fiscellaria, see *L. fiscellaria* or *L. fiscellaria fiscellaria*.

fiscellaria: *Blondelia eufitchiae*, *Eusisyropa blanda*, *Madremyia saundersii*, *Winthemia occidentis*, W. spp., Tachinidae.

fiscellaria fiscellaria: *Blondelia eufitchiae*, *Chaetophlepsis semi-othisae*, *Compsilura concinnata*, *Madremyia saundersii*, *Phryxe pecosensis*, *Winthemia occidentis*.

fiscellaria laeta probably: *Chrysoexorista dawsoni*.

fiscellaria lugubrosa: *Winthemia occidentis*, W. *venusta* probably.

fiscellaria "somniara", see *L. fiscellaria somniaria*.

fiscellaria somniaria: *Madremyia saundersii*, *Winthemia occidentis*.

"**Lamlidina**" *fiscellaria*, see *Lambdina fiscellaria fiscellaria*

Lampides (Lep.: Lycaenidae)

boeticus: *Lespesia archippivora*.

Lamprosema *ebulialis*, see "*Blepharomastix*" *ebulialis*

Lamprosema *indicata*, see *Hedylepta indicata*

Laniifera (Lep.: Pyralidae)

cyclades: *Lespesia laniiferae*, L. spp., "Phorocera" spp.

"**Laphigma**" *frugiperda*, see *Spodoptera frugiperda*

Laphygma (Lep.: Noctuidae)

exempta, see *Spodoptera exempta*.

exigua, see *Spodoptera exigua*.

flavimaculata, see *Spodoptera exigua*.

frugiperda, see *Spodoptera frugiperda*.

[sp.], see *Spodoptera frugiperda*.

spp.: *Archytas marmoratus*.

"**Laphygma**" *frugiperda*, see *Spodoptera frugiperda*

Lappet moth, see *Epicnaptera americana*

Larch sawfly, see *Pristiphora erichsonii*

Large aspen tortrix, see *Choristoneura conflictana*

Large milkweed bug, see *Oncopeltus fasciatus*

Larger canna leafroller, see *Calpodes ethlius*

Larger elm leaf beetle, see *Monocesta coryli*

Largus (Hem. (Heter.): Largidae)

cinctus californicus: *Trichopoda pennipes*.

sp.: *Trichopoda pennipes*.

Lascoria (Lep.: Noctuidae)

ambigualis: *Periscepsia laevigata*.

Laspeyresia (Lep.: Olethreutidae)

caryana: *Leskiella brevirostris*, *Lixophaga mediocris*, *L. variabilis*, "Myiophasia atra."

molesta, see *Grapholitha molesta*.

nigricana: *Aplomya caesar*.

pomonella: *Chrysoexorista dawsoni*, *C. marginata*, *C. ochracea*, *Erynnia tortricis*, *Leskiella brevirostris*, *Leskiomima tenera*, *Lixophaga jennei*, *L. orbitalis*, *L. variabilis*, *L. spp.*, *Nilea carpocapsae*, *N. noctuiformis*, "Tachinophyto" spp.

spp. and/or *Dioryctria* spp. probably, see Olethreutid and/or pyralid spp. (including *Laspeyresia* spp. and/or *Dioryctria* spp. probably).

Lawn armyworm, see *Spodoptera mauritia*

"**Laxotaenia**" *rosaceana*, see *Choristoneura rosaceana*

Leaf casebearer, see *Acrobasis juglandis*

Leaf crumpler, see *Acrobasis indigenella*

Leaf-folder caterpillar(-s) (Lep.: Unidentified Lepidoptera)

Leaf-folder caterpillar(-s): *Myobiopsis flavipennis*.

Leaffooted bug, see *Leptoglossus phyllopus*

Leaf-footed plant bugs, see *Leptoglossus* spp.

Leaf roller(-s) (Lep.: Tortricidae)

Leaf roller(-s): *Dejeaniopalpus texensis*, *Periscepsia* spp.,
Pseudoperichaeta erecta.

Leaf tier(-s) (Lep.: Unidentified Lepidoptera)

Leaf tier(-s): *Psalidopteryx slossonae*.

Lema (Col.: Chrysomelidae)

nigrovittata: *Paralispe infernalis*.

sexnotata: *Paralispe infernalis*.

trilineata, see *L. trilineata trilineata*.

trilineata californica: *Paralispe infernalis*.

trilineata trilineata: *Paralispe infernalis*, *Patelloa* sp. near
leucaniae.

sp.: *Paralispe infernalis*.

Lemonias harrisii, see *Chlosyne harrisii***Lemonias taylori**, see *Euphydryas editha taylori***Lepidoptera (Lep.: Unidentified Lepidoptera)**

Miscellaneous: *Aplomya theclarum*, *Archytas marmoratus*, *A.*
spp. (including *A. apicifer* and/or *A. californiae*),
Belvosia argentifrons, *B. bifasciata*, *B. ferruginosa*, *B.*
townsendi, *Carcelia reclinata*, *C. yalensis*, *Ceromasia*
aurifrons, *Chaetogaedia monticola*, *Compsilura concin-*
nata, *Deopalpus parksi*, *Erynnia tortricis*, *Euexorista*
futilis, *Euphorocera claripennis*, *Eusisyropa blanda*,
Exorista spp. probably, *Leschenaultia* spp., *Lespesia*
aletiae, *L. archippivora*, *L. dimmocki*, *L. frenchii*,
Lixophaga diatraeae, *L. variabilis*, *Lydella radialis*,
Madremyia saundersii, *Mericia ampelus*, *Mochlosoma*
mexicanum, *Nemorilla pyste*, *Paradejeania rutilioides*
nigrescens, *Patelloa leucaniae*, *Phryxe pecosensis*,
Pseudomyothyria spp., *P.* spp. probably, *Spathi-*
meigenia spinigera, "Tachina" spp., *Winthemia quad-*
ripustulata, Tachinidae.

Miscellaneous, Lepidoptera probably: *Peleteria thomsoni*.

Leptinotarsa (Col.: Chrysomelidae)

decemlineata: *Adoryphorophaga aberrans*, *A.* spp. and/or *Dory-*
phorophaga spp., *Doryphorophaga australis*, *D. dory-*
phorae, *D. macella*, *D.* spp., *Winthemia* spp. (including
W. quadripustulata or allied sp.: *W. datanae*, *W. sinuata*
or *W. vesiculata*), Tachinidae.

"decimlineata," see *L. decemlineata*.

defecta: *Doryphorophaga australis*.

10-lineata, see *L. decemlineata*.

Leptoglossus (Hem. (Heter.): Coreidae)

oppositus: *Trichopoda pennipes*.

phyllopus: *Trichopoda pennipes*, *T. pennipes* complex, *T. plumipes*.

spp.: *Trichopoda pennipes*, *T. spp.*

Leptopterna (Hem. (Heter.): Miridae)

dolabrata: "*Phorantha occidentis*."

Lerodea (Lep.: Hesperidae)

eufala: *Euphorocera tachinomoides*.

tripuncta, see *Cymaenes tripunctus*.

tripuncta tripuncta, see *Cymaenes tripunctus*.

tripuncta, *Prenes nero sylvicola* and/or *P. nyctelius coscinia*, see Hesperiid spp. (including *Cymaenes tripunctus*, *Nyctelius nyctelius* and/or *Panoquina sylvicola*).

Lespedeza webworm, see *Tetralopha scortealis*

Lesser clover leaf weevil, see *Hypera nigrirostris*

Lesser cornstalk borer, see *Elasmopalpus lignosellus*

Lesser migratory locust, red-legged locust and/or two-striped locust, see Locust(-s)

Leucania (Lep.: Noctuidae)

albilinea, see *Faronta diffusa*.

cholica: *Archytas cirphis*, *Eucelatoria armigera*.

commoides: *Periscepsia helymus*.

extranea, see *Pseudaletia unipuncta*.

inconspicua: *Eucelatoria armigera*.

juncicola: *Archytas* spp. (including *A. apicifer* and/or *A. californiae*).

latiuscula: *Archytas cirphis*, *A. marmoratus*, *Eucelatoria armigera*, *E. australis*, *Peleteria texensis*.

latiuscula probably: *Winthemia quadripustulata*.

microgonia: *Peleteria texensis*.

pyrrhias, see *Pseudaletia macrosaris*.

unipuncta, see *Pseudaletia unipuncta*.

"*unipunctata*," see *Pseudaletia unipuncta*.

sp.: *Triachora luteola*.

Leucarctia "*acraca*," see *Estigmene acrea*

Leucarctia *acraea*, see *Estigmene acrea*

"**Leucaria** *unipunctata*," see *Pseudaletia unipuncta*

Lexis *bicolor*, see *Tigrioides bicolor*

Ligyris (Col.: Scarabaeidae)

gibbosus: *Eutrixa exilis*.

Limabean pod borer, see *Etiella zinckenella*

Limacodes (Lep.: Limacodidae)

spp.: *Anaporia limacodis*.

sp. probably: Tachinidae.

Limenitis (Lep.: Nymphalidae)

archippus: *Compsilura concinnata*, Tachinidae.

astyanax: *Compsilura concinnata*.

disippus, see *L. archippus*.

Lina interrupta, see *Chrysomela interrupta*

Lina scripta, see *Chrysomela scripta*

Linden looper, see *Erannis tiliaria*

Lined stalk borer, see *Oligia fractilinea*

Liorhyssus (Hem. (Heter.): Rhopalidae)

hyalinus: *Leucostoma aterrimum*, *L. simplex*, Tachinidae.

Liparidae, see Lymantriidae, unidentified

Listroderes (Col.: Curculionidae)

costirostris obliquus: *Epiplagiops littoralis*, *Hyalomyodes triangulifer*.

obliquus, see *L. costirostris obliquus*.

Lithacodes (Lep.: Limacodidae)

fasciola: *Anaporia limacodis*.

Lithophane (Lep.: Noctuidae)

antennata: *Blondelia hyphantriae*, *Compsilura concinnata*, *Gonia* spp., *Mericia* spp., *Omotoma fumiferanae*, *Phryxe pecosensis*, *P. vulgaris*, *Tachinomyia acosta*, *T. nigricans*, *T. sp.* near *panaetius*, *T. spp.*, *Winthemia quadripustulata*, *W. rufopicta*, Tachinidae.

disposita: *Tachinomyia acosta*.

innominata: *Periscepsia helymus*, *Tachinomyia acosta*.

spp. (including *L. disposita* and/or *L. innominata*): *Carcelia formosa*.

spp. (including *L. disposita*, *L. innominata* and/or *L. petulca*): *Blepharipa scutellata*, *Blondelia hyphantriae*, *Compsilura concinnata*, *Epalpus signifer*, *Euphorocera claripennis*, *Mericia* spp., *Omotoma fumiferanae*, *Periscepsia helymus*, *Tachinomyia* spp., *Winthemia rufopicta*, Tachinidae.

spp.: *Blepharipa scutellata*, *Compsilura concinnata*, *Periscepsia laevigata*, *Tachinomyia acosta*.

Litoprosopus (Lep.: Noctuidae)

sp.: Gen. and sp. near *Chaetogaedia*.

Lixus (Col.: Curculionidae)

"*scrobicollis*," see *L. scrobicollis*.

scrobicollis: *Lixophaga parva*, *L. variabilis*.

Locust leafroller, see *Nephoteryx subcaesiella*

Locust(-s) (Orth.: Acrididae)

Locust(-s): *Lespesia* spp., Tachinidae.

Looper(-s) (Lep.: Unidentified Lepidoptera)

- Looper(-s): *Madremyia saundersii*.
- Lophyrus abbotii*, see *Neodiprion abbotii*
- Lophyrus "abbotti,"* see *Neodiprion abbotii*
- Lophyrus abietis*, see *Neodiprion abietis*
- Lophyrus lecontei*, see *Neodiprion lecontei*
- Lophyrus* spp., see *Diprionid* spp. (including *Diprion* spp. and/or *Neodiprion* spp.)
- Lotisma* (Lep.: Glyphipterygidae)
- trigonana*: *Elfia amplicornis*.
- Loxostege* (Lep.: Pyralidae)
- commixtalis*: *Aplomya caesar*, *A. trisetosa*, *Lespesia archippivora*, *Phryxe vulgaris*, *P. sp.*
- mancalis*: *Blondelia polita*, *Oswaldia albifacies*, *Pseudochaeta argentifrons*.
- obliteralis*, see *Ostrinia obliteralis*.
- similalis*: *Eusisyropa blanda*, *E. boarmiae*, *Hyphantrophaga hyphantriae*, *Lespesia archippivora*, *Lixophaga variabilis*, *Nemorilla pyste*, *Patelloa leucaniae*, "Phorocera parva," "P." spp., *Pseudoperichaeta erecta*, *Stomatomyia parvipalpis*, *Winthemia quadripustulata*, Tachinidae.
- sticticalis*: *Aplomya caesar*, *Euphorocera omissa*, *Lespesia archippivora*, *L. ciliata*, *Stomatomyia parvipalpis*, Tachinidae.
- "sticticolis," see *L. sticticalis*.
- Loxotaenia rosaceana*, see *Choristoneura rosaceana*
- Luna moth, see *Actias luna*
- Luperina* (Lep.: Noctuidae)
- stipata*: *Lydella radialis*, *Winthemia rufopicta*, *W. sinuata*.
- "Luperodes" (Col.: Chrysomelidae)
- spp.: *Medina barbata*.
- Lycaeides* (Lep.: Lycaenidae)
- melissa*: *Aplomya theclarum*.
- Lycaena* (Lep.: Lycaenidae)
- boeticus*, see *Lampides boeticus*.
- dione*, see *L. xanthoides dione*.
- exilis*, see *Brephidium exilis*.
- fulla*, see *Plebejus icarioides*.
- melissa*, see *Lycaeides melissa*.
- pseudargiolus*, see *Celastrina argiolus pseudargiolus*.
- thoe*: *Aplomya theclarum*.
- xanthoides*: *Aplomya theclarum*.
- xanthoides dione*: *Aplomya theclarum*.
- spp.: *Aplomya theclarum*.

Lycaenidae (Lep.: Lycaenidae)

Unidentified: *Aplomya theclarum*.

Lycaenopsis argiolus pseudargiolus, see *Celastrina argiolus pseudargiolus*

Lycaenopsis pseudargiolus, see *Celastrina argiolus pseudargiolus*

Lycia (Lep.: Geometridae)

cognataria, see *Biston cognataria*.

ursaria: *Ceromasia* spp.

Lycophotia margaritosa, see *Peridroma saucia*

Lycophotia saucia, see *Peridroma saucia*

"*Lygaeonematis erichsonii*," see *Pristiphora erichsonii*

Lygaeonematus erichsonii, see *Pristiphora erichsonii*

Lygaeus (Hem. (Heter.): Lygaeidae)

kalmii: *Leucostoma* spp.

Lygocoris (Hem. (Heter.): Miridae)

caryae: *Alophorella fumosa*.

caryae probably: *Alophorella pulvereae*.

Lygranthoecia brevis, see *Schinia brevis*

Lygris (Lep.: Geometridae)

diversilineata: *Hyphantrophaga hyphantriae*.

Lygus (Hem. (Heter.): Miridae)

caryae, see *Lygocoris caryae*.

caryae probably, see *Lygocoris caryae* probably.

hesperus probably: *Alophorella aeneoventris*.

lineolaris: *Alophorella aeneoventris*, *A. fumosa*, *A. pulvereae*, *A.*
spp.

pratensis: *Alophorella opaca*.

Lymantria dispar, see *Porthetria dispar*

Lymantriidae (Lep.: Lymantriidae)

Unidentified: *Compsilura concinnata*.

Lymire (Lep.: Ctenuchidae)

edwardsii: *Euphorocera claripennis*, *E. floridensis*, *Lespesia*
aletiae probably.

Macaria punctolineata, see *Semiothisa punctolineata*

Macremphytus (Hym.: Tenthredinidae)

intermedius: *Guerinia dydas*.

tarsatus: *Guerinia dydas*.

testaceus: *Guerinia dydas*.

varianus: *Bessa harveyi*, *Exorista mella*, *Guerinia dydas*.

spp.: *Bessa harveyi*.

"*Macrephytus*" *intermedius*, see *Macremphytus intermedius*

Macrobotys (Lep.: Pyralidae)*aeglealis*: *Myobiopsis depilis*.*pertextalis*: *Leskiomima tenera*, *Pseudochaeta siminina*, *P. erecta*, Tachinidae.**Macronoctua** (Lep.: Noctuidae)*onusta*: *Lydella radialis*."Macronoctus" *onusta*, see *Macronoctua onusta**Macrosila cingulata*, see *Agrius cingulatus***Macrosiphum** (Hem. (Hom.): Aphididae)*avenae* probably: *Beskia aelops*.*granaria* probably, see *M. avenae* probably.**Magicicada** (Hem. (Hom.): Cicadidae)*septendecim*: "Tachina" spp., Tachinidae.**Malacosoma** (Lep.: Lasiocampidae)*americanum*: *Archytas aterrimus*, *A. lateralis*, *Blepharipa scutellata*, *Carcelia laxifrons*, *C. malacosomae*, *C. malacosomae* probably, *C. protuberans*, *Cartocometes io*, *Compsilura concinnata*, *Cyzenis albicans*, *Diplostichus lophyri*, *Drino inconspicua*, *Euexorista futilis*, *Euphorocera claripennis*, *E. edwardsii*, *E. tachinomoides*, *Exorista mella*, *Hyphantrophaga hyphantriae*, *Leschenaultia exul*, *Lespesia aletiae*, *L. archippivora*, *L. ciliata*, *L. frenchii*, *L. schizurae*, *Mericia ampelus*, *Parasetigena agilis*, *Pilatea arator*, "Tachina" spp., Tachinidae.*californicum*: *Archytas apicifer*, *A. lateralis*, *A. spp.* (including *A. apicifer* and/or *A. californiae*), *Euphorocera tachinomoides*, *Exorista mella*, *Hyphantrophaga hyphantriae*, *Leschenaultia fulvipes*, *Lespesia archippivora*, *L. ciliata*, *L. frenchii*, *L. spp.**californicum ambisimile*: *Lespesia archippivora*.*californicum californicum*: *Euexorista futilis*, *Exorista mella*, *Leschenaultia adusta*, *L. americana*, *Lespesia archippivora*, *L. frenchii*, *Tachinomyia similis*, Tachinidae.*californicum fragile*: *Archytas lateralis*, *A. spp.* (including *A. apicifer* and/or *A. californiae*), *Chaetogaedia* sp. near *monticola*, *Euphorocera tachinomoides*, *Exorista mella*, *Leschenaultia fulvipes*, *Lespesia archippivora*, *L. frenchii*.*californicum lutescens*: *Archytas lateralis*, *Exorista mella*, *Lespesia ciliata*, *L. frenchii*.*californicum pluviale*: *Compsilura concinnata*, *Euexorista futilis*, *Exorista mella*, *Leschenaultia americana*, *Lespesia archippivora*, *L. frenchii*, *Tachinomyia similis*, *T. variata*.

californicum recenseo: Lespesia archippivora.

californicum ssp. (intermediate between *M. californicum ambisimile* and *M. californicum californicum*): *Lespesia archippivora*.

californicum ssp. (intermediate between *M. californicum lutescens* and *M. californicum pluviale*): *Leschenaultia fulvipes*.

constrictum: Exorista mella, Leschenaultia adusta, L. americana, Lespesia archippivora, L. frenchii, Tachinidae.

constrictum austrinum: Chaetogaedia sp. near *monticola*.

constrictum constrictum: Archytas lateralis.

disstria: Blepharipa scutellata, Carcelia laxifrons, C. malacosomae, C. malacosomae probably, *C. protuberans, Cartocometes io, Compsilura concinnata, C. sp.* probably, *Drino inconspicua, Euexorista futilis, Euphorocera claripennis, E. edwardsii, Exorista mella, E. spp., Leschenaultia adusta, L. americana, L. exul, L. leucophrys, L. spp., Lespesia archippivora, L. frenchii, L. melalophae, L. spp., Madremyia saundersii, Mericia ampelus, Patelloa pachypyga, Tachinomyia nigricans, T. panaetius, T. similis, T. spp., Winthemia datanae, W. leucanae* lacking red at tip, *W. sp.* near *militaris, Tachinidae.*

disstria erosa, see M. disstria.

disstria erosa form thoracica, see M. disstria.

disstria and/or *M. pluviale, see M. spp.* (including *M. californicum pluviale* and/or *M. disstria*).

fragilis, see M. californicum fragile.

incurvum discoloratum: Chaetogaedia sp. near *monticola, Euphorocera tachinomoides, Hyphantrophaga hyphantriae, Lespesia archippivora.*

incurvum incurvum: Archytas lateralis, Euphorocera tachinomoides, Exorista mella, Hyphantrophaga hyphantriae, Leschenaultia fulvipes, Lespesia archippivora, L. ciliata, Xanthophyto labis.

pluviale, see M. californicum pluviale.

thoracica, see M. californicum californicum.

tigris: Euphorocera tachinomoides.

spp. (including *M. californicum pluviale* and/or *M. disstria*): *Leschenaultia americana, Tachinomyia similis.*

spp.: Archytas lateralis, Carcelia malacosomae, Compsilura concinnata, Euexorista futilis, Euphorocera claripennis, Exorista mella, Leschenaultia americana, L. spp., Lespesia archippivora, L. frenchii, L. sp., Patel-

loa pachypyga, *Tachinomyia panaetius*, *T. similis*,
Uramya halisidotae.

"*Malacosomoa*" *americanum*, see *Malacosoma americanum*

Maladera (Col.: Scarabaeidae)

castanea: *Dexilla ventralis*.

castanea probably: *Hyperecteina aldrichi*.

"*Malocosoma*" sp., see *Malacosoma* spp.

Mamestra (Lep.: Noctuidae)

adjuncta, see *Polia adjuncta*.

configurata: Tachinidae.

legitima, see *Polia legitima*.

"*ligitima*," see *Polia legitima*.

picta, see *Ceramica picta*.

trifolii, see *Scotogramma trifolii*.

trifolii probably, see *Scotogramma trifolii* probably.

"*tripolii*," see *Scotogramma trifolii*.

vindemialis, see *Sideridis maryx*.

Manduca (Lep.: Sphingidae)

quinquemaculata: *Compsilura concinnata*, *Drino incompta*, *D. rhoeo*, *D. rhoeo* probably, *Lespesia frenchii*, "*Sturmia*" spp., *Winthemia leucanae*, *W. quadripustulata*.

sexta: *Carcelia* spp., *Drino incompta*, *D. rhoeo*, *D. rhoeo* probably, *Lespesia* spp., "*Masicera*" spp., *Mètavoria orientalis*, *Winthemia quadripustulata*, *W.* spp.

sexta jamaicensis: *Carcelia amplexa*, *Drino rhoeo*.

spp.: *Atacta brasiliensis*, *Drino incompta*.

Mantis carolina, see *Stagmomantis carolina*

Maple callus borer, see *Sylvora acerni*

Maple trumpet skeletonizer, see *Epinotia aceriella*

Mapsidius (Lep.: Yponomeutidae)

iridescent: *Lespesia archippivora*.

Margaronia hyalinata, see *Diaphania hyalinata*

Maruca (Lep.: Pyralidae)

testulalis: *Argyrophyllax albincisa*, *Nemorilla pyste*.

Marumba modesta, see *Pachysphinx modesta*

May beetle(-s) (Col.: Scarabaeidae)

May beetle(-s): *Cryptomeigenia prisca*, *C.* spp., *Eutrixa exilis*,
Ptilodexia harpasa, Tachinidae.

Meadow plant bug, see *Leptopterna dolabrata*

Meal moth, see *Pyralis farinalis*

Megalopyge (Lep.: Megalopygidae)

costaricensis: *Carcelia amplexa*.

crispata: *Anaporia pristis*, *Archytas aterrimus*, *A. smaragdinus*,
Carcelia amplexa, *C. lagoae*, *Compsilura concinnata*,

Euphorocera claripennis, *Hyphantrophaga hyphantriæ*, Tachinidae.

krugii: *Carcelia lagoae*.

opercularis: *Carcelia amplexa*, *C. lagoae*, *Euphorocera claripennis*, *E. claripennis* probably, *Lespesia aletiae*, *Sisyropa* spp., *Winthemia* spp., "Zenillia" spp.

opercularis probably: *Carcelia lagoae*.

pyxidifera: *Euphorocera claripennis*, *Lespesia aletiae*, *Sisyropa* spp.

sp.: *Lespesia aletiae*.

Megastes cyclades, see *Laniifera cyclades*

Megathymus (Lep.: Megathymidae)

yuccae: *Lespesia* spp., "Phorocera" comstocki.

Melalopha albosigma, see *Ichthyura albosigma*

Melalopha inclusa, see *Ichthyura inclusa*

Melalopha strigosa, see *Ichthyura strigosa*

Melanchroia (Lep.: Geometridae)

cephise: *Euphorocera floridensis*, *Prophryno parviteres*.

Melanolophia (Lep.: Geometridae)

imitata: *Actia interrupta*, *Compsilura concinnata*, *Eusisyropa virilis*, *Ictericophyto tibialis*.

"*Melanopha*" *apicalis* or "*M.*" *inclusa*, see *Ichthyura* spp. (including *I. apicalis* or *I. inclusa*)

Melanoplus (Orth.: Acrididae)

atlanis, see *M. sanguinipes*.

bilituratus, see *M. sanguinipes*.

bivittatus: *Acemya tibialis*, *Ceracia dentata*, *Hemithrixion oestriforme*, Tachinidae.

bruneri: *Acemya tibialis*, *Ceracia dentata*, *Hemithrixion oestriforme*.

confusus: *Ceracia dentata*.

dawsoni: Tachinidae.

differentialis: *Ceracia dentata*, *Euphorocera claripennis*, *Lespesia* spp.

femurrubrum: *Acemya tibialis*, *Ceracia dentata*, Tachinidae.

foedus: *Ceracia* spp., Tachinidae.

"*f. rubrum*," see *M. femurrubrum*.

mexicanus, see *M. sanguinipes*.

occidentalis: *Ceracia* spp.

packardii: *Ceracia dentata*, Tachinidae.

sanguinipes: *Acemya tibialis*, *Ceracia dentata*, *Hemithrixion oestriforme*, *Leucostoma simplex*, Tachinidae.

spretus: *Lespesia* spp., Tachinidae.

spp. (including *M. bivittatus* and/or *M. differentialis*): Tachinidae.

- spp.: *Ceracia dentata*, Tachinidae.
- "*Melanopus*" *atlanis*, see *Melanoplus sanguinipes*
- Melanotus* (Col.: Elateridae)
- spp.: *Ateloglossa cinerea*.
- Meliana albilinea*, see *Faronta diffusa*
- Melipotis* (Lep.: Noctuidae)
- famelica*: *Euphorocera tachinomoides*.
- Melissopus* (Lep.: Olethreutidae)
- latiferreanus*: *Carcelia* spp., *Elfia melissopodis*, *E.* spp., *Erynnia tortricis*, *Pseudoperichaeta erecta*, *P.* sp. near *erecta*.
- Melitara* (Lep.: Pyralidae)
- dentata*: "*Phorocera*" *comstocki*, "*P.*" *texana*.
- doddalis*, see *M. dentata*.
- junctolineella*, see *Olycella junctolineella*.
- prodenialis*: *Lespesia* spp., "*Phorocera*" *texana*.
- spp.: *Coronimyia melitarae*, "*Phorocera*" *texana*.
- "*Melitta*" *cucurbitae*, see *Melittia cucurbitae*
- Melittia* (Lep.: Aegeriidae)
- cucurbitae*: *Chaetophlepsis eudryae*.
- cucurbitae* probably: *Chaetophlepsis eudryae*.
- satyriniformis*: *Chaetophlepsis* spp.
- Melonworm, see *Diaphania hyalinata*
- Meracantha* (Col.: Tenebrionidae)
- contracta*: *Catagoniopsis meracanthae*, *Pales* spp., *Zelia vertebrata*.
- Mesocondyla concordalis*, see *Eulepte concordalis*
- Mesocondyla concordalis* probably, see *Eulepte concordalis* probably
- Metanema* (Lep.: Geometridae)
- inatomaria*: *Lespesia melalophae*.
- Metapodius instabilis*, see *Acanthocephala terminalis*
- Metapodius terminalis*, see *Acanthocephala terminalis*
- Metriona* (Col.: Chrysomelidae)
- bicolor*: *Eucelatoriopsis dimmocki*.
- bivittata*, see *Agrioconota bivittata*.
- Mexican army worm, see Armyworm(-s)
- Mexican bean beetle, see *Epilachna varivestis*
- Mexican leafroller, see *Amorbia emigratella*
- Microlepidoptera, see Lepidoptera, miscellaneous
- Migratory grasshopper, see *Melanoplus sanguinipes*
- "Miller" moth of the group of owlet-moths, see Noctuidae, unidentified
- Mineola* "*indiginella*," see *Acrobasis indigenella*
- Mineola* "*indiginella*" *nebulella*, see *Acrobasis indigenella*

Miris dolabratus, see *Leptopterna dolabrata*

"*Mocia*" *repanda*, see *Mocis* spp. (including *M. latipes* and/or *M. repanda*)

Mocis (Lep.: Noctuidae)

latipes probably: *Atacta brasiliensis*, *Belvosia bicincta*, *Lespesia aletiae*.

punctularis, see *M. spp.* (including *M. latipes* and/or *M. repanda*).

repanda, see *M. latipes* probably or *M. spp.* (including *M. latipes* and/or *M. repanda*).

spp. (including *M. latipes* and/or *M. repanda*): *Archytas marmoratus*, *Eucelatoria armigera*, *Euphorocera clari-pennis*, *Eusisyropa blanda*, *Gonia texensis*, *Gymnochaetopsis fulvicauda*.

Monarch butterfly, see *Danaus plexippus*

Monocesta (Col.: Chrysomelidae)

coryli: *Ervia triquetra*.

"**Monocestra**" *coryli*, see *Monocesta coryli*

Monochamus (Col.: Cerambycidae)

notatus: *Eutheresia monohammi*, *E. trivittata*.

scutellatus: *Eutheresia monohammi*, *E. trivittata*, Tachinidae.

titillator: *Eutheresia monohammi*.

spp.: *Eutheresia monohammi*.

Monoctenus (Hym.: Diprionidae)

fulvus: *Spathimeigenia aurifrons*, *S. spinigera*, *S. spp.*, *Tachinomyia nigricans*.

Monodes nucicolora, see *Elaphria nucicolora*

"**Monohammus**" *confusor*, see *Monochamus notatus*

"**Monohamus**" *scutellatus*, see *Monochamus scutellatus*

Monoxia (Col.: Chrysomelidae)

consputa: *Chaetonodexodes vanderwulpi*.

puncticollis, see *Erynephila maritima*.

Moodna (Lep.: Pyralidae)

ostrinella: *Coronimymia geniculata*, *Erynnia tortricis*.

Moth borer of the sugar cane, see *Diatraea saccharalis*

Moth stalkborer(-s) (Lep.: Unidentified Lepidoptera)

Moth stalkborer(-s): *Lixophaga diatraeae*.

Moth(-s) (Lep.: Unidentified Lepidoptera)

Moth(-s): *Sisyropa eudryae*, "*Tachina*" spp., *Tachinomyia panaetius*.

Mountain ash sawfly, see *Pristiphora geniculata*

Mourningcloak butterfly, see *Nymphalis antiopa*

Mouse (mice) (Rodentia (Mammalia): Unidentified Rodentia)

Mouse (mice): *Parachaeta* spp.

Mouse (mice) probably: *Leschenaultia leucophrys*. *Parachaeta* spp.

Murgantia (Hem. (Heter.): Pentatomidae)

histrionica: *Trichopoda pennipes*.

Nabis (Hem. (Heter.): Nabidae)

alternatus: *Leucostoma simplex*.

americoferus: *Leucostoma simplex*.

ferus, see *N. americoferus*.

roseipennis: *Leucostoma simplex*.

"*Nacaleia*" *indicata*, see *Hedylepta indicata*

Nacoleia indicata, see *Hedylepta indicata*

Nacophora quernaria, see *Phaeoura quernaria*

Nadata (Lep.: Notodontidae)

gibbosa: *Compsilura concinnata*, Tachinidae.

Nantucket pine tip moth, see *Rhyacionia frustrana*

Narnia (Hem. (Heter.): Coreidae)

pallidicornis: *Trichopoda pennipes*.

Neleucania albilinea, see *Faronta diffusa*

Nematocampa (Lep.: Geometridae)

filamentaria: *Compsilura concinnata*, Tachinidae.

limbata, see *N. filamentaria*.

Nematus (Hym.: Tenthredinidae)

chalceus probably: *Bessa harveyi*.

erichsonii, see *Pristiphora erichsonii*.

erichsonii probably, see *Pristiphora erichsonii* probably.

"*ericksonii*," see *Pristiphora erichsonii*.

erythrogaster: *Compsilura concinnata*.

hyalinus: *Bessa harveyi*.

limbatus: *Bessa harveyi*.

ribesii: *Bessa harveyi*, *Compsilura concinnata*, Tachinidae.

ventralis: *Aporotachina chaetoneura*, *Bessa harveyi*, *Oswaldia aurifrons*.

ventricosus, see *N. ribesii*.

sp., see *Pristiphora erichsonii* probably.

Neoconocephalus (Orth.: Tettigoniidae)

ensiger: *Euphasiopteryx brevicornis nuttingi*.

robustus: *Euphasiopteryx brevicornis nuttingi*.

robustus robustus: *Beskia aelops* probably, *Euphasiopteryx brevicornis nuttingi*.

"*Neodipiron*" *tsugae*, see *Neodiprion tsugae*

Neodiprion (Hym.: Diprionidae)

abbottii: *Diplostichus lophyri*, *Euphorocera claripennis*, *E.*

edwardsii, *Spathimeigenia spinigera*, *S. spinigera* complex.

"*abbottii*," see *Neodiprion abbotii*.

abietis: *Bessa harveyi*, *Diplostichus lophyri*, *Drino bohémica*, *Spathimeigenia spinigera*, *S. spinigera* complex.

- abietis* complex: *Bessa harveyi*, *Diplostichus lophyri*, *D. sp.* near *lophyri*, *Spathimeigenia aurifrons*.
- affinis*, see *N. virginiana*.
- americanus*, see *N. abbotii*.
- americanus banksianae*, see *N. pratti banksianae*.
- banksianae*, see *N. pratti banksianae*.
- dyari*, see *N. pratti pratti*.
- edwardsii*, see *N. spp.*
- excitans*: “*Phorocera*” spp., *Spathimeigenia spinigera*.
- fabricii*, see *N. abbotii*.
- lecontei*: *Bessa harveyi*, *B. selecta*, *Diplostichus lophyri*, *Drino bohémica*, *D. inconspicua*, *Eribella sp.* near *exilis*, *Euphorocera claripennis*, *E. edwardsii*, “*Phorocera*” spp., *Spathimeigenia aurifrons*, *S. erecta*, *S. erecta* probably, *S. hylotomae*, *S. spinigera*, *S. spinigera* complex, *S. spp.*, “*Zenillia*” spp.
- “*leconti*,” see *N. lecontei*.
- maurus*: *Bessa harveyi*, *Spathimeigenia aurifrons*, *S. spinigera*, *S. spp.*
- nanulus*, see *N. nanulus nanulus*.
- nanulus nanulus*: *Bessa harveyi*, *Diplostichus lophyri*, *Drino bohémica*, *Spathimeigenia spinigera*, *S. spinigera* complex.
- nigroscutum*: *Diplostichus lophyri*, *Spathimeigenia spp.* (*aurifrons-erecta* complex).
- pinetum*: *Diplostichus lophyri*, *Spathimeigenia erecta* probably, *S. spinigera*, *S. spinigera* complex, *S. spp.*
- pinirigidae*: *Spathimeigenia aurifrons*.
- pratti banksianae*: *Bessa harveyi*, *Diplostichus lophyri*, *Drino bohémica*, *Spathimeigenia aurifrons*, *S. erecta*, *S. spinigera*, *S. spinigera* complex.
- pratti pratti*: *Diplostichus lophyri*, *Drino inconspicua*.
- rugifrons*: *Diplostichus lophyri*, *Spathimeigenia aurifrons*, *S. erecta*, *S. spp.*
- sp. near “scutellaris,”* see *N. sp. near scutellatis*.
- sp. near scutellatis*: *Diplostichus lophyri*, *Tsugaea nox*.
- sertifer*: *Diplostichus lophyri*, *Drino bohémica*, *D. inconspicua*, *Euphorocera claripennis*, *E. edwardsii*, *E. sp.*, *Spathimeigenia erecta*, *S. spinigera*, *S. spp.*
- swaini*, see *N. swaini* or *N. swaini* probably.
- swaini*: *Bessa harveyi*, *B. selecta*, *Diplostichus lophyri*, *Drino bohémica*, “*Phorocera*” spp., *Spathimeigenia aurifrons*, *S. spp.* (*aurifrons-erecta* complex), *S. spinigera*, *S. spinigera* complex, *S. spp.*

swainei probably: *Diplostichus lophyri*, *Spathimeigenia* spp.
taedae linearis: *Diplostichus lophyri*, *Spathimeigenia spinigera*,
S. spp.

tsugae: *Diplostichus sellersi*, *Tsugaea nox*.

vallicola, see *Zadiprion vallicola*.

virginiana: *Euphorocera claripennis*, *Spathimeigenia spinigera*.

virginiana complex: *Bessa harveyi*, *Diplostichus lophyri*,
Drino bohémica, *Spathimeigenia spinigera* complex.

spp.: *Bessa harveyi*, *Diplostichus lophyri*, *D. sellersi*,
Eucelatoria armigera, *Euphorocera claripennis*,
"Phorocera" spp., *Spathimeigenia aurifrons*, *S. erecta*,
S. spinigera.

sp. probably: *Diplostichus lophyri*.

Neophasia occidentalis, see *Pieris occidentalis*

Nephelodes (Lep.: Noctuidae)

emmedonia: *Aplomya trisetosa*, *Euexorista futilis*, *Phryxe*
pecosensis probably, *Tachinomyia variata*, Tachinidae.
violans, see *N. emmedonia*.

Nephopteryx (Lep.: Pyralidae)

subcaesiella: *Eusisyropa blanda*, *Nemorilla pyste*, *Phryxe*
pecosensis.

subcaesiella probably: Tachinidae.

subfuscella: *Aphria ocypterata*, *Eusisyropa blanda*.

"*Nephytia*" *canosaria*, see *Nepytia canosaria*

Nepytia (Lep.: Geometridae)

canosaria: *Bessa harveyi*, *Blondelia eufitchiae*, *Chaetophlepsis*
semiothisae.

phantasmaria: *Eusisyropa blanda*, Tachinidae.

Neurotoma (Hym.: Pamphiliidae)

fasciata: *Aplomya neurotomae*, *Compsilura concinnata*.

inconspicua: *Eubrachymera debilis*.

spp.: *Aplomya fronto*.

New Guinea sugarcane borer, see *Rhabdoscelus obscurus*

New Guinea sugarcane weevil, see *Rhabdoscelus obscurus*

Nezara (Hem. (Heter.): Pentatomidae)

viridula, see *N. viridula* or *N. viridula smaragdula*.

viridula: *Trichopoda lanipes*, *T. pennipes*, *T. spp.*, Tachinidae.

viridula smaragdula: *Trichopoda pennipes*, *T. pilipes*, *T. spp.*
(including *T. pennipes* and/or *T. pilipes*), *T. spp.*

"*Nezarra*" *viridula*, see *Nezara viridula*

Nisoniades brizo, see *Erynnis brizo*

Noctua fennica, see *Actebia fennica*

Noctua sp., see Noctuidae, unidentified

Noctuid (Lep.: Noctuidae)

spp. (including *Mamestra configurata* and/or *Peridroma saucia*):
Lespesia archippivora, *Phryxe pecosensis*, *Winthemia rufopicta*.

spp. (including *Heliothis zea*, *Prodenia dolichos*, *Spodoptera eridania*, *S. frugiperda* and/or *S. ornithogalli*):
Winthemia rufopicta.

Noctuid and/or pyralid (Lep.: Noctuidae and/or Pyralidae)

spp. (including *Scotogramma trifolii* and/or *Loxostege sticticalis*): *Euphorocera claripennis*, *Lespesia archippivora*, *Voria ruralis*.

Noctuidae (Lep.: Noctuidae)

Unidentified: *Archytas aterrimus*, *Blepharipa scutellata*, *Bonnetia comta*, *Chaetogaedia monticola*, *Chaetophlepsis eudryae*, *Compsilura concinnata*, *Cyrtophleba coquilletti*, *Gymnocarcelia ricinorum*, *Lespesia frenchii*, *L. spp.*, *Mericia spp.*, *Nilea noctuiformis*, *Peleteria obsoleta*, *Periscepsia helymus*, *Phryxe pecosensis*, *P. vulgaris*, *Siphona ceres*, *S. plusiae*, *Tachinomyia spp.*, *Voria ruralis*, *Winthemia quadripustulata*, Gen. and sp. near *Zenillia*, Tachinidae.

Nonagria oblonga, see *Archanara oblonga*

Northeastern sawyer, see *Monochamus notatus*

Northern pitch twig moth, see *Petrova albicapitana*

Notodonta ulmi, see *Heterocampa bilineata*

Notodontidae (Lep.: Notodontidae)

Unidentified: *Compsilura concinnata*.

Notolophus antiqua, see *Orgyia antiqua*

Notolophus leucostigma, see *Hemerocampa leucostigma*

Nutgrass armyworm, see *Spodoptera exempta*

Nycteola (Lep.: Noctuidae)

cinereana: *Lespesia melalophae*.

revayana, see *N. spp.* (including *N. cinereana*, *N. columbiana* and/or *N. frigidana*).

spp. (including *N. cinereana*, *N. columbiana* and/or *N. frigidana*): *Euexorista futilis*, *Pseudoperichaeta erecta*, *Zenillia blandita*.

Nygmia (Lep.: Lymantriidae)

phaeorrhoea: *Aplomya caesar*, *Carcelia laxifrons*, *Compsilura concinnata*, *Euphorocera claripennis*, *Eusisyropa blanda*, *Exorista mella*, *E. spp.*, *Gonia spp.*, *Lespesia frenchii*, *Madremyia saundersii*, *Patelloa pachypyga*, *Townsendiellomyia nidicola*.

Nymphalidae (Lep.: Nymphalidae)

Unidentified: *Compsilura concinnata*.

Nymphalis (Lep.: Nymphalidae)

antiopa: *Bessa harveyi*, *Compsilura concinnata*, *Dichaetoneura leucoptera*, *Doryphorophaga doryphorae*, *Euphorocera claripennis*, *E. edwardsii*, *Eusisyropa blanda*, *Exorista mella*, *Hemisturmia tortricis*, *Lespesia aletiae*, *L. archippivora*, *L. dubia*, *L. frenchii*, *Madremyia saundersii*, *Patelloa pachypyga* probably, *Pelatachina pellucida*, "Phorocera" spp., *Winthemia sinuata* probably, Tachinidae.

milberti: *Compsilura concinnata*, *Euexorista futilis*, *Hyphantraphaga hyphantriae*, *H. sp.*, *Lespesia archippivora*, *Pelatachina pellucida*, *Winthemia quadripustulata* probably, Tachinidae.

vau-album j-album: *Compsilura concinnata*.

Nysius (Hem. (Heter.): Lygaeidae)

angustatus: "*Phorantha occidentis*."

ericae: *Hyalomya aldrichii*, "*Phorantha occidentis*."

raphanus: *Hyalomya aldrichii*.

Oak leaftier, see *Croesia albicomana*

Oak webworm, see *Archips fervidanus*

Oakworm(-s) (Lep.: Unidentified Lepidoptera)

Oakworm(-s): *Eusisyropa blanda*.

Oberea (Col.: Cerambycidae)

bimaculata: *Lixophaga variabilis*.

"*maculata*," see *O. bimaculata*.

Obliquebanded leafroller, see *Choristoneura rosaceana*

Ochlodes (Lep.: HesperIIDae)

yuma: *Spathidexia dunningii*.

Ocneria dispar, see *Porthetria dispar*

Oebalus (Hem. (Heter.): Pentatomidae)

pugnax: *Euthera tentatrix*.

Oedemasia concinna, see *Schizura concinna*

Oedipoda carolina, see *Dissosteira carolina*

Oenectra distincta, see *Sparganothis distincta*

Oeobia (Lep.: Pyralidae)

monticolans: *Chaetogaedia monticola*.

Ogdoconta (Lep.: Noctuidae)

cinereola: *Copecrypta ruficauda*.

Oidaematophorus (Lep.: Pterophoridae)

homodactylus: *Compsilura concinnata*, *Oxynops anthracinus*, *Pseudosiphona brevirostris*, *Tachinophyto floridensis*.

monodactylus: *Oxynops anthracinus*, Tachinidae.

Oiketicus (Lep.: Psychidae)

kirbyi: *Lespesia* spp.

- Olene* "atomaria," see *Dasychira atomeria*
Olene basiflava, see *Dasychira basiflava*
Olene pini, see *Dasychira plagiata*
Olene plagiata, see *Dasychira plagiata*
Olene vagans, see *Dasychira vagans*
Olene spp., see *Dasychira* spp.
Olethreutes hebesana, see *Endothenia hebesana*
Olethreutes malachitana, see *Eumarozia malachitana*
Olethreutid and/or pyralid (Lep.: Olethreutidae and/or Pyralidae)
spp. (including *Laspeyresia* spp. and/or *Dioryctria* spp.
probably): *Exorista* spp.
Olethreutidae (Lep.: Olethreutidae)
Unidentified: *Leskiella brevirostris*.
Oligia (Lep.: Noctuidae)
fractilinea: *Winthemia rufopicta*.
Olyca junctolineella, see *Olycella junctolineella*
Olycella (Lep.: Pyralidae)
junctolineella: *Lespesia aletiae*, "Phorocera" *comstocki*, "P."
texana.
nephelepasa: "Phorocera" *texana*.
Omiodes accepta, see *Hedylepta accepta*
Omiodes blackburni, see *Hedylepta blackburni*
Omiodes continuatalis, see *Hedylepta continuatalis*
Omphalocera (Lep.: Pyralidae)
cariosa: *Carcelia lagoae*, *Hyphantrophaga hyphantriae*.
Oncopeltus (Hem. (Heter.): Lygaeidae)
fasciatus: *Leucostoma gravipes*.
Onespot stink bug, see *Euschistus variolarius*
Oniscus (Isopoda (Crustacea): Oniscidae)
asellus: *Melanophora roralis*.
Operophtera (Lep.: Geometridae)
bruceata: *Cyzenis albicans*.
brumata: *Cyzenis albicans*, *Phryxe pecosensis*.
Opsiphanes (Lep.: Brassolidae)
tamarindi: *Lespesia aletiae*.
Orangedog, see *Papilio cresphontes*
Orangestriped oakworm, see *Anisota senatoria*
Orange tortrix, see *Argyrotaenia citrana*
Orgyia (Lep.: Lymantriidae)
antiqua: *Carcelia amplexa*, *C. yalensis*, *Compsilura concinnata*,
Eusisyropa blanda, *Exorista mella*, Tachinidae.
leucostigma, see *Hemerocampa leucostigma*.
"leugcostigma," see *Hemerocampa leucostigma*.
spp.: *Lespesia aletiae*, Tachinidae.

Oriental fruit moth, see *Grapholitha molesta*

Oriental moth, see *Cnidocampa flavescens*

Oriental peach moth, see *Grapholitha molesta*

Orphulella (Orth: Acrididae)

speciosa: Tachinidae.

Orthodes (Lep.: Noctuidae)

cynica: Tachinidae.

Orthoptera (Orth: Unidentified Orthoptera)

Miscellaneous: *Euphasiopteryx brevicornis nuttingi*.

Orthosia (Lep.: Noctuidae)

hibisci: *Tachinomyia* sp. near *panaetius*, *T. spp.*, *Wagneria vernata* probably.

hibisci form *insciens*, see *O. hibisci*.

"**Orygia**" spp., see *Orgyia* spp.

Osmoderma (Col.: Scarabaeidae)

eremicola: *Zelia vertebrata*.

Ostrinia (Lep.: Pyralidae)

nubilalis: *Aplomya caesar*, *A. mitis*, "*Carcelia ochracea*," *Ceromasia auricaudata*, *Compsilura concinnata*, *Euexorista futilis*, *Lixophaga variabilis*, *Lydella radialis*, *L. thompsoni*, *Madremyia saundersii*, *Nemorilla pyste*, *Paratheresia claripalpis*, *Pseudoperichaeta erecta*, *P. insidiosa*, *Pyraustomyia penitalis*, "*Zenillia*" spp.

obliteralis: *Aplomya caesar*, *Didyma exigua*, "*Hypostena floridensis*," *Pyraustomyia penitalis*.

penitalis: "*Anisia nigrocincta*" probably, *Aplomya caesar*, *Lixophaga variabilis*, *Pyraustomyia penitalis*.

spp. (including *O. obliteralis* and/or *O. penitalis*): *Lixophaga variabilis*, *Nemorilla pyste*, "*Phorocera*" *comstocki*, *Phryxe pecosensis* probably.

Oulema (Col.: Chrysomelidae)

melanopus: *Hyalomyodes triangulifer*.

Pachysphinx (Lep.: Sphingidae)

modesta: *Lespesia frenchii*, *Winthemia quadripustulata*.

modesta occidentalis: Tachinidae.

Pachyzancla (Lep.: Pyralidae)

bipunctalis: *Nemorilla pyste*, *Pseudoperichaeta erecta*.

licarsisalis, see *Herpetogramma licarsisalis*.

periusalis, see *Psara pallicaudalis*.

"*pertusalis*," see *Psara pallicaudalis*.

Pacific tent caterpillar, see *Malacosoma constrictum*

Packard grasshopper, see *Melanoplus packardii*

Packardia (Lep.: Limacodidae)

ceanothi: *Eupelecotheca celer*.

Painted beauty, see *Vanessa virginiensis*

Painted lady, see *Vanessa cardui*

Paleacrita (Lep.: Geometridae)

vernata: Tachinidae.

Palesided cutworm, see *Agrotis malefida*

Pale tussock moth, see *Halisidota tessellaris*

Pale western cutworm, see *Agrotis orthogonia*

Palpita (Lep.: Pyralidae)

magniferalis: *Pseudochaeta siminina*.

Pandemis (Lep.: Tortricidae)

"*limitana*," see *P. limitata*.

limitata: *Aplomya caesar*, *Ictericophyto spinosa*.

pyrusana: *Nemorilla pyste*.

Pandora moth, see *Coloradia pandora*

Pantographa (Lep.: Pyralidae)

limata: *Carcelia* spp., *Pseudoperichaeta erecta*.

Paonias (Lep.: Sphingidae)

excaecata: *Compsilura concinnata*, *Leschenaultia leucophrys*,
Winthemia datanae.

"*excoecata*," see *P. excaecata*.

myops: *Compsilura concinnata*, *Lespesia flavifrons*, *L. frenchii*,
Tachinidae.

Papaipema (Lep.: Noctuidae)

appassionata: *Lydella radialis*.

"*appassionata*," see *P. appasionata*.

araliae: *Lydella radialis*.

arctivorens: *Gymnochetia ruficornis*, *Lydella radialis*.

cataphracta: *Exorista* spp., *Gymnochetia ruficornis*, *Lixophaga*
variabilis, *Lydella radialis*, *Winthemia rufopicta*.

frigida: *Lydella radialis*.

harrisii: *Eusisyropa virilis*.

nebris: *Aplomya caesar*, *Exorista* spp., *Gymnochetia ruficornis*,
Lixophaga variabilis, *Lydella deckeri*, *L. radialis*, *L.*
radialis probably, *L. thompsoni*, "*Phorocera*" *signata*,
"*Tachina*" spp., *Winthemia quadripustulata*, *W.*
rufopicta, Tachinidae.

nebris nitela, see *P. nebris*.

nitela, see *P. nebris*.

pterisii: *Lydella radialis*.

purpurifascia: *Ceromasia* spp., *Lydella radialis*.

stenoscelis: *Lydella radialis*.

[sp.], see *P. nebris*.

spp.: *Lydella radialis*, *L. radialis* probably.

Paphia [sp.], see *Anaea glycerium*

Papilio (Lep.: Papilionidae)

ajax, see *P. polyxenes asterius* or *P. polyxenes polyxenes*.

"*asterias*," see *P. polyxenes asterius*.

bairdii oregonius: *Lespesia frenchii*.

cresphontes: *Lespesia rileyi*.

daunus, see *P. multicaudata*.

eurymedon: *Lespesia frenchii*.

glaucus: *Compsilura concinnata*, *Lespesia frenchii*, Tachinidae.

glaucus canadensis: *Lespesia frenchii*.

glaucus turnus, see *P. glaucus*.

machaon: *Buquetia musca*.

multicaudata: *Lespesia frenchii*.

philenor, see *Battus philenor*.

polyxenes, see *P. polyxenes*, *P. polyxenes asterius* or *P. polyxenes polyxenes*.

polyxenes: *Lespesia frenchii*.

polyxenes asterius: *Buquetia obscura*, *Lespesia frenchii*, Tachinidae.

polyxenes polyxenes: *Compsilura concinnata*.

rutulus: *Lespesia frenchii*.

thoas: *Lespesia rileyi*.

troilus: *Compsilura concinnata*, *Lespesia frenchii*.

turnus, see *P. glaucus*.

turnus var. *glaucus*, see *P. glaucus*.

zelicaon: Tachinidae.

"*zelicayn*," see *P. zelicaon*.

"*zolicaon*," see *P. zelicaon*.

spp.: *Lespesia archippivora*, *L. frenchii*.

Papilionidae (Lep.: Papilionidae)

Unidentified: *Compsilura concinnata*.

"**Papilo**" *thoas*, see *Papilio thoas*

Paragrotis ochrogaster, see *Euxoa ochrogaster*

Paragrotis ridingsiana, see *Euxoa ridingsiana*

Paralechia pinifoliella, see *Exoteleia pinifoliella*

Paralechia pinifoliella probably, see *Exoteleia pinifoliella* probably

Parallelia (Lep.: Noctuidae)

bistriaris: *Oswaldia albifacies*, *O. anorbitalis*, *O. assimilis*, Tachinidae.

Parargyractis (Lep.: Pyralidae)

fulicalis: *Ginglymia acirostris*.

Parasemia (Lep.: Arctiidae)

parthenos: *Thompsonomyia anthracina*.

Parharmonia pini, see *Vespa mima pini*

Parsleyworm, see *Papilio polyxenes asterius*

- Parsnip webworm, see *Depressaria pastinacella*
Passalus cornutus, see *Popilius disjunctus*
Peach twig borer, see *Anarsia lineatella*
Pea moth, see *Laspeyresia nigricana*
Pecan bud moth, see *Gretchena bolliana*
Pecan carpenterworm, see *Cossula magnifica*
Pecan leaf casebearer, see *Acrobasis juglandis*
Pecan nut casebearer, see *Acrobasis caryae*
Pectinophora (Lep.: Gelechiidae)
 gossypiella: *Erynnia tortricis*.
Pempelia (Lep.: Pyralidae)
 spp.: *Hyphantrophaga hyphantriae*.
Pentatoma ligata, see *Chlorochroa ligata*
Pentatoma sayi, see *Chlorochroa sayi*
“*Pentato mia*,” see *Chlorochroa* spp.
Pentatomid (Hem. (Heter.): Pentatomidae)
 spp. (including *Euschistus ictericus*, *Mormidea pictiventris*,
 Nezara viridula and/or *Oebalus pugnax*): *Beskia aelops*,
 Cylindromyia euchenor, *Euthera tentatrix*.
Pepper-and-salt moth, see *Biston cognataria*
Peridroma (Lep.: Noctuidae)
 cinctipennis cinctipennis: *Chaetogaedia monticola*.
 coniotis: *Lespesia archippivora*.
 coniotis coniotis: *Chaetogaedia monticola*, *Lespesia archippi-*
 vora.
 margaritosa, see *P. saucia*.
 margaritosa saucia, see *P. saucia*.
 porphyrea, see *P. saucia*.
 saucia: *Archytas apicifer*, *A. aterrimus*, *A. cirphis*, *A. cirphis*
 probably, *A. spp.* (including *A. apicifer* and/or *A.*
 californiae), *A. spp.*, *Bonnetia comta*, *Carcelia spp.*,
 Chaetogaedia monticola, *C. monticola* probably,
 Clausicella opaca, *Eucelatoria armigera* probably,
 Euphorocera claripennis, *E. omissa*, *Gonia longipulvilli*,
 G. porca, *G. sequax*, *G. spp.*, *Lespesia archippivora*,
 Madremyia saundersii, *Peleteria texensis*, *Periscepsia*
 helymus, *P. laevigata*, *Voria ruralis*, *Winthemia*
 leucanae, *W. leucanae* lacking red at tip, *W.*
 quadripustulata, *W. rufopicta*, Tachinidae.
“*Perigaea*” *sutor*, see *Platysenta sutor*
Perigea sutor, see *Platysenta sutor*
Periodical cicada, see *Magicicada septendecim*
Periplaneta (Orth.: Blattidae)
 americana: *Miamimyia cincta*.

Pero (Lep.: Geometridae)

sp.: *Chaetophlepsis semiothisae*.

Peronea minuta, see *Acleris minuta*

Peronea variana, see *Acleris variana*

"Peronia" minuta, see *Acleris minuta*

Petrova (Lep: Olethreutidae)

albicapitana: *Lixophaga* sp. near *fasciata*.

metallica: *Phrynofrontina* spp.

Phaecasiophora (Lep.: Tortricidae)

niveiguttana: *Aplomya caesar*.

Phaeoura (Lep.: Geometridae)

quernaria: *Aplomya helvina*, Tachinidae.

Phakellura nitidalis probably, see *Diaphania nitidalis* probably

Phalaenid, see Noctuidae, unidentified

Phalaenid moth(-s) (Lep.: Noctuidae)

Phalaenid moth(-s): *Voria ruralis*.

Phalonia (Lep.: Tortricidae)

oenotherana: *Actia interrupta*, *Elfia aenea*, *Lixophaga plumbea*.

Phantom hemlock looper, see *Nepytia phantasmaria*

Phasiana "neptata," see *Semiothisa neptaria*

Pheosia (Lep.: Notodontidae)

dimidiata, see *P. rimosa*.

rimosa: *Aplomya pheosiae*, *Chaetophlepsis eudryae*, *Compsilura concinnata*, *Winthemia datanae*.

Phigalia (Lep.: Geometridae)

titea: *Ceromasia* spp., *Compsilura concinnata*, *Eusisyropa virilis*, *Omotoma fumiferanae*, *Tachinomyia nigricans*, *Tachinomyia* spp., Tachinidae.

Philaenus (Hem. (Hom.): Cercopidae)

spumarius: *Alophorella aeneoventris*.

Philampelus achemon, see *Pholus achemon*

Philampelus vitis, see *Pholus vitis*

Philosamia cynthia, see *Samia cynthia*

Philtraea (Lep.: Geometridae)

elegantaria: *Euphorocera claripennis*.

Phlegethontius carolina, see *Manduca sexta*

Phlegethontius celeus, see *Manduca quinquemaculata*

Phlegethontius cingulatus, see *Agrius cingulatus*

Phlegethontius quinquemaculata, see *Manduca quinquemaculata*

Phlegethontius sexta, see *Manduca sexta*

Phlegethontius spp., see *Manduca* spp.

Phlyctaenia (Lep.: Pyralidae)

coronata tertialis: *Aplomya caesar*, *Nemorilla pyste*, *Pseudoperichaeta erecta*, Tachinidae.

"ferrugalis," see *Udea rubigalis*.

ferrygalis, see *Udea rubigalis*.

monticolans, see *Oebia monticolans*.

tertialis, see *P. coronata tertialis*.

Phobetron (Lep.: Limacodidae)

pithecium: *Anaporia pristis*, *Carcelia* spp., *Palpexorista coccyx*, Tachinidae.

Pholus (Lep.: Sphingidae)

achemon: *Argyrophylax* spp., *Compsilura concinnata*, *Drino incompta*, *D. rhoeo*, *Lespesia testacea*, *Winthemia quadripustulata*.

fasciatus, see *P. vitis*.

pandorus, see *P. satellitia pandorus*.

satellitita pandorus: *Compsilura concinnata*, *Lespesia pholi*, *L. schizurae*, Tachinidae.

vitis: *Drino incompta*, *Lespesia testacea*.

spp.: *Lespesia aletiae*, *L. pholi*.

Phosphila (Lep.: Noctuidae)

turbulenta: *Compsilura concinnata*, *Eusisyropa blanda*, *E. virilis*.

Phragmatobia (Lep.: Arctiidae)

assimilans: *Carcelia reclinata*, *C. reclinata* probably.

assimilans var. *franconia*, see *P. assimilans*.

assimilans var. "*franconica*," see *P. assimilans*.

fuliginosa: *Hubneria estigmenensis*.

fuliginosa rubricosa: *Hubneria estigmenensis*, Tachinidae.

"**Phryganidea**" *californica*, see *Phryganidia californica*

Phryganidia (Lep.: Dioptidae)

californica: *Actia flavipes*, *A. spp.*, *Eusisyropa virilis*, *Siphona conata*, *S. plusiae*, Tachinidae.

[sp.], see *P. californica*.

Phycid in dried peach, see Phycitinae, unidentified

Phyciodes (Lep.: Nymphalidae)

tharos: *Siphosturmia phyciodis*.

spp.: *Siphosturmia phyciodis*.

Phycita *nebulo*, see *Acrobasis indigenella*

Phycitinae (Lep.: Pyralidae)

Unidentified: *Coronimyia geniculata*.

Phyllophaga (Col.: Scarabaeidae)

anxia: *Cryptomeigenia* spp., *Eutrixa exilis*, *Microphthalma michiganensis*.

arcuata, see *P. fervida*.

crassissima: *Cryptomeigenia theutis*.

crenulata: *Cryptomeigenia theutis*, *Sitophaga georgiae*.

drakii: *Eutrixa exilis*.

fervida: *Eutrixa exilis*, *Microphthalma disjuncta*, *M. michiganensis*.

fusca: Tachinidae.

futilis: *Cryptomeigenia theutis*.

implicita: *Cryptomeigenia theutis*.

inversa: *Cryptomeigenia theutis*, Tachinidae.

nitida: *Eutrixa exilis*.

portoricensis: *Cryptomeigenia aurifacies*, *Eutrixoides jonesii*.

rubiginosa: *Eutrixa exilis*.

rugosa: *Cryptomeigenia theutis*.

vandinei, see *Chemarachis vandinei*.

spp. (including *P. anxia* and/or *P. fusca*): *Cryptomeigenia triangularis*.

spp.: *Bonnetia comta*, *Cryptomeigenia aurifacies*, *C. simplex*, *C. theutis*, *C. spp.*, *Dexilla ventralis*, *Dinera grisescens* probably, *Eutrixa exilis*, *Eutrixoides jonesii*, *Gonia crassicornis*, *Microphthalma disjuncta*, *M. michiganensis*, *M. obsoleta*, "*Ptilodexia abdominalis*," *P. cerata*, *P. harpasa*, "*P. tibialis*," *Sitophaga georgiae*, *S. nocturnalis*, Tachinidae.

"*Phyllophoga*" *anxia*, see *Phyllophaga anxia*

Physonota (Col.: Chrysomelidae)

helianthi: Tachinidae.

Physostegania pustularia, see *Itame pustularia*

Phytonomus nigrirostris, see *Hypera nigrirostris*

Pickleworm, see *Diaphania nitidalis*

Pictured sand cricket(-s) (Orth: Unidentified Orthoptera)

Pictured sand cricket(-s): *Stomatomyia parvipalpis*.

Pieris (Lep.: Pieridae)

occidentalis: *Chaetogaedia crebra*, *Madremyia saundersii*.

protodice: *Euphorocera* sp. near *floridensis*, *Gymnoclytia occidua*, *Lespesia aletiae*, *L. archippivora*, Tachinidae.

rapae: *Ceromasia auricaudata*, *Chaetogaedia monticola*, *Compsilura concinnata*, *Eucelatoria armigera*, *Euphorocera claripennis*, *E. tachinomoides*, *Gymnoclytia occidua*, *Lespesia aletiae*, *L. archippivora*, *L. frenchii*, *L. spp.*, *Madremyia saundersii*, *Obolocera rapae*, *Phryxe pecosensis*, *P. vulgaris*, Tachinidae.

sp.: *Lespesia archippivora*.

Pikonema (Hym.: Tenthredinidae)

alaskensis: *Bessa harveyi*, *B. selecta*, *Drino bohémica*, *Phryxe pecosensis*, *Spathimeigenia aurifrons*, *S. spinigera*.

dimmockii: *Bessa harveyi*, *B. selecta*, *Drino bohémica*.

spp.: *Bessa harveyi*, *Diplostichus lophyri*.

Pilemia (Lep.: Pyralidae)

periusalis: *Argyrophylax albincisa*.

Pilocrocis (Lep.: Pyralidae)

inguinalis: *Argyrophylax albincisa*.

tripunctata: *Nemorilla pyste*.

Pine needleminer, see *Exoteleia pinifoliella*

Pine sawfly(-flies) (Hym.: Unidentified Hymenoptera)

Pine sawfly(-flies): *Spathimeigenia spinigera*.

Pine tussock moth, see *Dasychira plagiata*

Pine webworm, see *Tetralopha robustella*

Pink bollworm, see *Pectinophora gossypiella*

Pinkstriped oakworm, see *Anisota virginiensis*

Pionea belialis, see *Titanio belialis*

"**Pipausta ainslei**," see *Ostrinia obliteralis*

Pipevine swallowtail, see *Battus philenor*

Pissodes (Col.: Curculionidae)

strobi: *Compsilura concinnata*.

Pistol casebearer, see *Coleophora malivorella*

Pitch mass borer, see *Vespamima pini*

Pitch pine sawfly(-flies) (Hym.: Unidentified Hymenoptera)

Pitch pine sawfly(-flies): "*Phorocera*" spp.

Pitch pine tip moth, see *Rhyacionia rigidana*

Plagiometriona (Col.: Chrysomelidae)

clavata: *Eribella exilis*, *Eucelatoriopsis dimmocki*, *E. dimmocki* probably, *Medina barbata*.

Plains false wireworm, see *Eleodes opacus*

Plant bug(-s) (Hem. (Heter.): Pentatomidae)

Plant bug(-s): *Trichopoda* spp., Tachinidae.

Plathypena (Lep.: Noctuidae)

scabra: *Archytas aterrimus*, *Carcelia amplexa*, *Chaetophlepsis eudryae*, *C. spp.*, *Compsilura concinnata*, *Copecrypta ruficauda*, *Euphorocera claripennis*, *E. floridensis*, *Eusisyropa blanda*, *Lespesia aletiae*, *Prophryno parviteres*, *Winthemia quadripustulata*, *W. sinuata*.

scabra probably: *Euphorocera claripennis*, *Eusisyropa boarmiae*, *E. boarmiae* probably.

Platycampus (Hym.: Tenthredinidae)

spp.: *Bessa harveyi*.

Platynota (Lep.: Tortricidae)

flavedana: *Erynnia tortricis*.

Platyptilia (Lep.: Pterophoridae)

carduidactyla: *Elfia* spp., *Hyalomyodes triangulifer*.

Platysamia¹ (Lep.: Saturniidae)

cecropia: *Compsilura concinnata*, *Euphorocera claripennis*, *Eusisyropa virilis*, *Lespesia ciliata*, *L. frenchii*, "Tachina" spp., *Winthemia cecropia*, *W. datanae*, *W. leucanae*, *W. leucanae* lacking red at tip, *W. militaris*, *W. quadripustulata*, *W. spp.*, Tachinidae.

euryalus: *Lespesia ciliata*, *L. frenchii*, *L. sabroskyi*.

Platysenta (Lep.: Noctuidae)

sutor: *Winthemia quadripustulata*, *W. rufopicta*.

videns: *Winthemia quadripustulata*.

Plautia (Hem. (Heter.): Pentatomidae)

stali: *Trichopoda pennipes*.

Plebeius melissa, see *Lycaeides melissa***Plebejus** (Lep.: Lycaenidae)

icarioides: Tachinidae.

Plodia (Lep.: Pyralidae)

interpunctella: *Clausicella floridensis*, *C. neomexicana*.

spp.: *Clausicella floridensis*, *C. neomexicana*.

Plum curculio, see *Conotrachelus nenuphar***Plum webspinning sawfly**, see *Neurotoma inconspicua***Plusia** (Lep.: Noctuidae)

aereoides: *Voria ruralis*.

brassicae, see *Trichoplusia ni*.

californica, see *Autographa californica*.

"*chalcites*," see *Chrysodeixis calcites*.

gamma, see *Autographa gamma*.

ni, see *Trichoplusia ni*.

spp.: *Eucelatoria armigera*.

Plusiodonta (Lep.: Noctuidae)

compressipalpis: *Compsilura concinnata*.

Pococera (Lep.: Pyralidae)

scabridella: *Nemorilla pyste*.

Podisus (Hem. (Heter.): Pentatomidae)

maculiventris: *Hemyda aurata*, *Trichopoda lanipes*.

Polia (Lep.: Noctuidae)

acutermia: *Bonnetia comta*.

adjuncta: *Compsilura concinnata*, *Periscepsia helymus*.

¹ As this Catalog was being prepared, *Platysamia* was synonymized under *Hyalophora* by Ferguson, 1972, Fascicle 20.2B Saturniidae, in Dominick et al., "Moths of North America."

legitima: *Compsilura concinnata*, *Eusisyropa virilis*.

purpurissata: *Nowickia hispida*.

renigera, see *Lacinipolia renigera*.

Polydesma (Lep.: Noctuidae)

umbricola: *Chaetogaedia monticola*, *Eucelatoria armigera*,
Lespesia archippivora.

Polygonia (Lep.: Nymphalidae)

comma: *Compsilura concinnata*, *Euphorocera claripennis*,
Tachinidae.

interrogationis: *Compsilura concinnata*, *Euphorocera clari-*
pennis, *Eusisyropa blanda*, *E. virilis*, *Exorista mella*,
Lespesia aletiae.

Polyommatus boeticus, see *Lampides boeticus*

Polyphemus moth, see *Antheraea polyphemus*

Ponca (Orth: Gryllidae)

venosa: *Calodexia interrupta*.

Pontia rapae, see *Pieris rapae*

Popilius (Col.: Passalidae)

disjunctus: *Zelia vertebrata*.

Popillia (Col.: Scarabaeidae)

japonica: *Dexilla ventralis*, *Hamaxia incongrua*, *Hyperecteina*
aldrichi, *Prosenia siberita*, *Ptilodexia* sp.

Poplar borer, see *Saperda calcarata*

Poplar tentmaker, see *Ichthyura inclusa*

Porcellio (Isopoda (Crustacea): Oniscidae)

scaber: *Melanophora roralis*.

scaber probably: *Melanophora roralis*.

spp.: *Melanophora roralis*.

Porosagrotis orthogonia, see *Agrotis orthogonia*

Porosagrotis vetusta, see *Agrotis vetusta*

"Porthesia" dispar, see *Porthetria dispar*

Porthetria (Lep.: Lymantriidae)

dispar: *Blepharipa schineri*, *B. scutellata*, *B. sp.*, *Carcelia*
amplexa, *C. laxifrons*, *Compsilura concinnata*, *Drino*
inconspicua, *Euphorocera claripennis*, *Eusisyropa*
virilis, *Exorista mella*, *E. spp.*, *Lespesia aletiae*, *L.*
frenchii, *Nemorilla pyste*, *Parasetigena agilis*, *Phryxe*
vulgaris, *Tachinomyia nigricans*, *T. variata*, *Townsend-*
iellomyia nidicola, Tachinidae.

Potato beetles, see Chrysomelid spp. (including *Lema trilineata*
and/or *Leptinotarsa decemlineata*)

Potato stalk borer, see *Trichobaris trinotata*

Priophorus (Hym.: Tenthredinidae)*morio*: *Bessa harveyi*, *B. selecta*.*rubivorus*, see *P. morio*.**Pristiphora** (Hym.: Tenthredinidae)*erichsonii*: *Bessa harveyi*, *B. selecta*, *B. selecta* probably, *B. spp.*, *Diplostichus lophyri*, *Drino bohémica*, *Lespesia archippivora*, "Phorocera" spp., *Spathimeigenia aurifrons*, *S. spinigera*.*erichsonii* probably: *Bessa harveyi*.*geniculata*: *Bessa harveyi*, *B. selecta*, *Compsilura concinnata*, *Diplostichus lophyri*, *Drino bohémica*, *Guerinia dydas*.*leechi*: *Bessa harveyi*.*lena*: *Bessa harveyi*.**Prochoerodes** *truxaliata*, see *Sabulodes truxaliata***Prodenia** (Lep.: Noctuidae)*autumnalis*, see *Spodoptera frugiperda*.*commelinae*, see *Spodoptera dolichos*.*dolichos*, see *Spodoptera dolichos*.*eridania*, see *Spodoptera eridania*.*latifascia*, see *Spodoptera latifascia*.*latifascia* probably, see *Spodoptera latifascia* probably.*ornithogalli*, see *Spodoptera ornithogalli*.*ornithogalli* probably, see *Spodoptera ornithogalli* probably.*"ornithogalli,"* see *Spodoptera ornithogalli*.*praefica*, see *Spodoptera praefica*.*sunia*: *Gonia crassicornis*, *Nemorilla pyste*.sp., see *Spodoptera* spp.**Prolimacodes** (Lep.: Limacodidae)*badia*: Tachinidae.**Promethea**, see *Calosamia promethea***Proteides** *clarus*, see *Epargyreus clarus***Proteides** *tityrus*, see *Epargyreus clarus***Proteopteryx** *bolliana*, see *Gretchena bolliana***Proteoteras** (Lep.: Olethreutidae)*willingana*: *Erynnia tortricis*.**Protitame** (Lep.: Geometridae)*virginalis*: *Chaetophlepsis orbitalis*.**Protoparce** *carolina*, see *Manduca sexta***Protoparce** *celeus*, see *Manduca quinquemaculata***Protoparce** *cingulata*, see *Agrius cingulatus***Protoparce** *jamaicensis*, see *Manduca sexta jamaicensis***Protoparce** *quinquemaculata*, see *Manduca quinquemaculata***Protoparce** *sexta*, see *Manduca sexta* or *Manduca sexta jamaicensis***Protoparce** *sexta jamaicensis*, see *Manduca sexta jamaicensis*

Protoparce sexta "jamaiceusis," see *Manduca sexta jamaicensis*
Protoparce spp., see *Manduca* spp.

Protorthodes (Lep.: Noctuidae)

oviducta: *Wagneria vernata*.

rufula: *Chaetogaedia crebra*, *Eucnephalia* sp. probably.

Psara (Lep.: Pyralidae)

"*bispunctalis*," see *Herpetogramma bipunctalis*.

pallicaudalis: *Argyrophylax albincisa*, *Nemorilla pyste*.

periusalis, see *Pilemia periusalis*.

Pseudaletia (Lep.: Noctuidae)

inconspicua, see *Leucania inconspicua*.

latiuscula, see *Leucania latiuscula*.

macrosaris: *Chaetogaedia monticola*.

unipuncta: *Archytas apicifer*, *A. cirphis*, *A. marmoratus*, *A.* spp. (including *A. apicifer* and/or *A. californiae*), *A. sp.* (*A. apicifer* or *A. californiae*) probably, *Athrycia cinerea*, *Carcelia* spp., *Chaetogaedia monticola*, *Compsilura concinnata*, *Cylindromyia* "carolinae," *C. euchenor*, *Eucelatoria armigera*, *E. rubentis*, *E. rubentis* probably, *Euphorocera claripennis*, *E. floridensis*, *Exorista mella*, *Gonia porca*, *Gymnocarcelia ricinorum*, *Gymnoclytia immaculata*, *Lespesia aletiae*, *L. archippivora*, *Madremyia saundersii*, *Myiophasia "aenea,"* *M. metallica*, *Patelloa leucaniae*, *Peleteria texensis*, *P. spp.*, *Periscepsia helymus*, *P. laevigata*, *Phryxe pecosensis*, *P. vulgaris*, "Tachina" spp., *Triachora unifasciata*, *Winthemia datanae*, *W. leucanae*, *W. leucanae* probably, *W. militaris*, *W. militaris* probably, *W. sp.* near *militaris*, *W. ostensackenii*, *W. quadripustulata*, *W. quadripustulata* probably, *W. rufopicta*, *W. spp.* (including *W. leucanae* probably or *W. militaris*), *W. spp.*, Tachinidae.

"*unipunctata*," see *P. unipuncta*.

Pseudexentera (Lep.: Olethreutidae)

cressoniana, see *P. improbana*.

improbana: *Cyzenis albicans*.

improbana oregonana: "*Cyzenis festinans*" probably, *C. spp.*,
Eulasiona comstocki.

oregonana, see *improbana oregonana*.

Pseudoplusia (Lep.: Noctuidae)

includens: *Chaetophlepsis eudryae*, *Euphorocera floridensis*,
Lespesia aletiae, *Winthemia intermedia*.

Pseudothyatira (Lep.: Thyatiridae)*cymatophoroides*: Tachinidae.**"Psilocorsis"** *fletcherella*, see *Psilocorsis fletcherella***Psilocorsis** (Lep.: Oecophoridae)*faginella*: *Elfia* spp., *Eusisyropa blanda*, *Psalidopteryx psilocorsiphaga*.*fletcherella*: *Eusisyropa blanda*.*quercicella*: *Elfia* spp.*reflexella*: *Elfia* sp. near *usitata*, *E.* spp., Tachinidae.spp.: *Eulasiona comstocki*, *Psalidopteryx psilocorsiphaga*.**Psoloessa** (Orth.: Acrididae)*delicatula*: *Ceracia dentata* probably.**Psychomorpha** (Lep.: Noctuidae)*epimenis*: *Sisyropa alypie*, "*Zenillia*" spp.*"epimensis"*, see *P. epimenis*.**Pteronidea coryla**, see *Nematus erythrogaster***Pteronidea ribesii**, see *Nematus ribesii***Pterophoridae** (Lep.: Pterophoridae)Unidentified: *Eribella* spp.**Pterophorus** (Lep.: Pterophoridae)*periscelidactylus*: *Hemisturmia tortricis*.**Pterostichus** (Col.: Carabidae)*lucublandus*: Tachinidae.*melanarius*: Tachinidae.**Pulicalvaria piceaella**, see *Coleotechnites piceaella*Pumpkin bug, see *Nezara viridula*Puss caterpillar, see *Megalopyge opercularis*Pyralid, see *Hellula rogatalis***Pyralidae** (Lep.: Pyralidae)Unidentified: *Drino austrina*, *Hyphantrophaga hyphantriae*, *Leskiomima tenera*, *Lespesia frenchii*, *L.* spp., *Lixophaga variabilis*, *Metopiops pyralidis*, *Nemorilla pyste*.**Pyralidae or Tortricidae** (Lep.: Pyralidae or Tortricidae)Unidentified: *Coronimyia geniculata*.**Pyralis** (Lep.: Pyralidae)*farinalis*: *Winthemia leucanae*.*farinalis* probably: *Elfia tarsalis*.**Pyrameis atalanta**, see *Vanessa atalanta***Pyrameis cardui**, see *Vanessa cardui***Pyrameis "caryae"**, see *Vanessa carye***Pyrameis carye**, see *Vanessa carye***Pyrausta** (Lep.: Pyralidae)*ainsliei*, see *Ostrinia obliteralis*.

ainsliei or *P. penitalis*, see *Ostrinia* spp. (including *O. oblitalis* and/or *O. penitalis*).

futilalis: *Elfia* sp. near *aenea*, *Hyphantrophaga euchaetiae*, *Lixophaga plumbea*, *Nemorilla pyste*, *Pseudoperichaeta erecta*, Tachinidae.

"*nubilalis*," see *Ostrinia nubilalis*.

nubilalis, see *Ostrinia nubilalis*.

"*nubililalis*," see *Ostrinia nubilalis*.

penitalis, see *Ostrinia penitalis* or *Ostrinia* spp. (including *O. oblitalis* and/or *O. penitalis*).

pertextalis, see *Macrobotys pertextalis*.

signatalis: *Lespesia* spp., *Nemorilla pyste*, *Pseudoperichaeta erecta*.

tyralis: *Nemorilla pyste*, *Stomatomyia floridensis*.

"*vubilalis*," see *Ostrinia nubilalis*.

spp.: *Aplomya caesar*, *Pyraustomyia penitalis*.

spp. probably: *Dejeaniopalpus texensis*.

Pyreferra (Lep.: Noctuidae)

hesperidago: *Exorista mella*, *Ictericophyto spinosa*, *Omotoma fumiferanae*, Tachinidae.

Pyrophila (Lep.: Noctuidae)

pyramidoides, see *Amphipyra pyramidoides*.

sp.: *Leschenaultia americana*.

Pyrhalta (Col.: Chrysomelidae)

luteola: *Aplomyiopsis galerucellae*, *Erynniopsis rondanii*.

Pyrharctia isabella, see *Isia isabella*

Ragweed borer, see *Epiblema strenuanum*

Range caterpillar, see *Hemileuca oliviae*

Range crane fly, see *Tipula simplex*

Raphia (Lep.: Noctuidae)

frater: *Tachinomyia* spp.

Raspberry cane borer, see *Oberea bimaculata*

Recurvaria coniferella, see *Coleotechnites coniferella*

Recurvaria thujella, see *Coleotechnites thujella*

Red admiral, see *Vanessa atalanta*

Redbacked cutworm, see *Euxoa ochrogaster*

Redbanded leafroller, see *Argyrotaenia velutinana*

Redheaded pine sawfly, see *Neodiprion lecontei*

Redhumped caterpillar, see *Schizura concinna*

Redlegged grasshopper, see *Melanoplus femurrubrum*

Red pine sawfly, see *Neodiprion nanulus nanulus*

Reduviolus ferus, see *Nabis americanoferus*

Reduviolus roseipennis, see *Nabis roseipennis*

Regal moth, see *Citheronia regalis*

- "*Remigera*" *repanda*, see *Mocis* spp. (including *M. latipes* and/or *M. repanda*)
- Remigia repanda*, see *Mocis latipes* probably or *Mocis* spp. (including *M. latipes* and/or *M. repanda*)
- Retinia* sp., see *Rhyacionia* spp.
- "*Rhabdocnemis*" *obscurus*, see *Rhabdoscelus obscurus*
- Rhabdocnemis obscura*, see *Rhabdoscelus obscurus*
- Rhabdoides cellus*, see *Autochton cellus*
- Rhabdophaga* (Dipt.: Cecidomyiidae)
salicisbrassicoides: Tachinidae.
- Rhabdoscelus* (Col.: Curculionidae)
obscurus: *Lixophaga sphenophori*, *Metadexia tricolor*.
- Rhagium inquisitor*, see *Stenocorus inquisitor inquisitor*
- Rhagium lineatum* probably, see *Stenocorus inquisitor lineatus* probably
- "*Rhodobaemus*" sp. in dahlia stem, see *Rhabdoscelus obscurus*
- Rhodobaenus* (Col.: Curculionidae)
tredecimpunctatus: Tachinidae.
13-punctatus, see *R. tredecimpunctatus*.
- Rhodophora* (Lep.: Noctuidae)
florida: *Compsilura concinnata*.
- Rhopobota* (Lep.: Olethreutidae)
naevana: *Nemorilla pyste*.
vacciniana, see *R. naevana*.
- Rhyacionia* (Lep.: Olethreutidae)
buoliana: *Erynnia tortricis*, *Lixophaga mediocris*, *Nemorilla pyste*.
frustrana: *Lixophaga mediocris*, *L. plumbea*, Tachinidae.
frustrana bushnelli: Tachinidae.
pasadenana: *Urophylloopsis retiniae*.
rigidana: *Lixophaga mediocris*, *L. variabilis*.
spp.: *Urophylloopsis retiniae*.
sp. probably: *Urophylloopsis retiniae*.
- Rhynchophora* (Col.: Unidentified Coleoptera)
Miscellaneous: *Lixophaga* spp.
- Rice stalk borer, see *Chilo plejadellus*
- Rice stink bug, see *Oebalus pugnax*
- Rocky Mountain grasshopper, see *Melanoplus spretus*
- Romaleum atomarius*, see *Enaphalodes atomarius*
- Rothschildia* (Lep.: Saturniidae)
aroma probably: *Belvosia nigrifrons*, *Lespesia* spp.
orizaba: *Belvosia formosa*, *B. nigrifrons*.
sp.: *Belvosia nigrifrons*.
- Rusty tussock moth, see *Orgyia antiqua*

"Sabine" *apicalis*, see *Sibine apicalis*

Sabulodes (Lep.: Geometridae)

transversata: Tachinidae.

truxaliata: *Xanthophyto* spp.

Saddleback caterpillar, see *Sibine stimulea*

Saddled prominent, see *Heterocampa guttivitta*

Salebria *semiobscura*, see *Nephopteryx subfuscella*

Salebria *subcaesiella*, see *Nephopteryx subcaesiella*

Saltmarsh caterpillar, see *Estigmene acrea*

Samia (Lep.: Saturniidae)

cecropia, see *Platysamia cecropia*.

columbia, see *Hyalophora columbia*.

cynthia: *Lespesia frenchii*, *Winthemia tricolor*.

cynthia advena: *Lespesia frenchii*, *Winthemia datanae* probably.

rubra, see *Platysamia euryalus*.

walkerii advena, see *S. cynthia advena*.

Saperda (Col.: Cerambycidae)

calcarata: *Ptilodexia canescens*.

obliqua: Tachinidae.

sp.: *Euphorocera floridensis*.

Sarrothrips *revayanus*, see *Nycteola* spp. (including *N. cinerea*,
N. columbiana and/or *N. frigidana*)

Satin moth, see *Stilpnolia salicis*

Saturnia (Lep.: Saturniidae)

cecropia, see *Platysamia cecropia*.

galbina: *Euphorocera* sp. near *floridensis*.

maia, see *Hemileuca maia*.

orizaba, see *Rothschildia orizaba*.

Saturniidae (Lep.: Saturniidae)

Unidentified: *Compsilura concinnata*.

Sawfly(-flies) (Hym.: Unidentified Hymenoptera)

Sawfly(-flies): *Athrycia cinerea*, *Compsilura concinnata*, *Drino bohemica*, *Euphorocera claripennis*, *Guerinia dydas*, *G. rufostomata*, *Lixophaga variabilis*, Gen. and sp. near *Lixophaga*, *Spathimeigenia hylotomae*, *S. spinigera*.

Sawfly(-flies) probably: *Spathimeigenia aurifrons*.

Say's plant bug, see *Chlorochroa sayi*

Say stink bug, see *Chlorochroa sayi*

Scarabaeid (Col.: Scarabaeidae)

spp. (including *Cyclocephala immaculata* or *Phyllophaga* spp.):
Microphthalma disjuncta.

spp. (including *Cyclocephala* spp. and/or *Phyllophaga* spp.):
Microphthalma disjuncta.

spp. (including *Phyllophaga* spp. or *Phytalis* spp.): *Cryptomeigenia aurifacies*, *Eutrixoides jonesii*.

spp. (including *Phyllophaga* spp. or other Scarabaeidae):
Mochlosoma lacertosum.

spp. (allied genera of *Phyllophaga* spp.): *Microphthalma disjuncta*.

Scarabaeidae (Col.: Scarabaeidae)

Unidentified: *Hamaxia incongrua*.

Schinia (Lep.: Noctuidae)

brevis: *Winthemia quadripustulata*.

Schistocerca (Orth.: Acrididae)

cancellata: *Oedematocera dampfi*.

paranensis, see *S. cancellata*.

Schizocerus ebenus, see *Sphacophilus cellularis*

Schizocerus privatus, see *Sphacophilus cellularis*

Schizocerus sp., see *Sterictiphora* sp.

Schizura (Lep.: Notodontidae)

badia: *Compsilura concinnata*, *Winthemia datanae*.

"*cincinna*," see *S. concinna*.

"*concina*," see *S. concinna*.

concinna: *Actia americana*, *A. interrupta*, *Carcelia laxifrons*,
Compsilura concinnata, *Euphorocera claripennis*,
Exorista mella, *Lespesia archippivora*, *Pseudoperi-
chaeta erecta*, *Winthemia datanae*, *W. quadripustulata*,
Tachinidae.

ipomaeae: *Compsilura concinnata*, *Lespesia schizurae*, *Winthe-
mia datanae*, Tachinidae.

"*ipomoeae*," see *S. ipomaeae*.

leptinoides: *Winthemia datanae*.

unicornis: *Compsilura concinnata*, *Euphorocera claripennis*,
Lespesia schizurae, *Winthemia datanae*, *W. sinuata*,
Tachinidae.

spp.: *Winthemia* spp.

Sciaphila (Lep.: Olethreutidae)

duplex: *Ceromasia auricaudata*, *Lypha intermedia*, *Madremyia
saundersii*, *Xanthophyto labis*.

Scoliopteryx (Lep.: Noctuidae)

libatrix: *Compsilura concinnata*, *Winthemia borealis*.

Scotogramma (Lep.: Noctuidae)

trifolii: *Euphorocera claripennis*, *Lespesia archippivora*.

trifolii probably: *Gonia* spp.

Scotorythra (Lep.: Geometridae)

paludicola probably: *Chaetogaedia monticola*, *Lespesia
archippivora*.

rara: *Chaetogaedia monticola*, *Lespesia archippivora*.

trapezias: *Chaetogaedia monticola*.

Scythris (Lep.: Scythridae)

epilobiella: *Psolidopteryx macdunnoughi*.

sp.: *Psolidopteryx macdunnoughi*.

Sehirus (Hem. (Heter.): Cydnidae)

cinctus: *Hyalomya purpurascens*.

Seirarctia (Lep.: Arctiidae)

echo: *Lespesia aletiae*.

Selandria barda, see *Tethida cordigera***Semiothisa** (Lep.: Geometridae)

bisignata: *Blondelia eufitchiae*, *Chaetophlepsis semiothisae*.

granitata, see *S. granitata* complex.

granitata complex: *Bessa harveyi*, *Blondelia eufitchiae*,
Chaetophlepsis semiothisae.

minorata: *Blondelia eufitchiae*, *Chaetophlepsis semiothisae*.

neptaria: *Euphorocera claripennis*.

orillata: *Blondelia eufitchiae*.

oweni: *Blondelia eufitchiae*, *Chaetophlepsis semiothisae*.

punctolineata: *Prophryno marginalis*.

sexmaculata: *Blondelia eufitchiae*, *Chaetophlepsis semiothisae*.

Septis apamiformis, see *Apamea apamiformis***Serica** (Col.: Scarabaeidae)

iricolor: *Pseudomyothyria ancilla*.

serotina: *Sitophaga neomexicana*.

Sesia acerni, see *Sylvora acerni***Sesia rutilans**, see *Synanthedon bibionipennis***"Shizocera" ebenus**, see *Sphacophilus cellularis***"Schizura" sp.**, see *Schizura* spp.**Sibine** (Lep.: Limacodidae)

apicalis: *Lespesia aletiae*.

stimulea: *Anaporia pristis*, *Euphorocera claripennis*, *Palpexorista coccyx*, Tachinidae.

Sidemia devastator, see *Crymodes devastator***Sideridis** (Lep.: Noctuidae)

maryx: *Euexorista futilis*.

Silkworm, see *Bombyx mori***Silverspotted skipper**, see *Epargyreus clarus***Silverspotted tiger moth**, see *Halisidota argentata***Simyra** (Lep.: Noctuidae)

henrici: *Compsilura concinnata*, *Eusisyropa virilis*, *Exorista mella*, *Lespesia dimmocki*, *L. spp.*, "Masicera" spp.

Sisyrosea (Lep.: Limacodidae)

textula: *Anaporia limacodis*, *A. pristis*, *A. sp.*

Sitona (Col.: Curculionidae)

hispidula: *Hyalomyodes triangulifer*.

Small milkweed bug, see *Lygaeus kalmii*

Smearred dagger moth, see *Acronicta oblinita*

Smerinthus (Lep.: Sphingidae)

cerisyi: *Compsilura concinnata*, *Lespesia flavifrons*, *L. frenchii*.
geminatus, see *S. jamaicensis*.

jamaicensis: *Compsilura concinnata*, *Eusisyropa blanda*, *Lespesia flavifrons*, *L. frenchii*, Tachinidae.

ophthalmicus: "*Prosopaea*" spp.

sp.: *Lespesia flavifrons*.

Sonoran tent caterpillar, see *Malacosoma tigris*

Sorghum webworm, see *Celama sorghiella*

Southern armyworm, see *Spodoptera eridania*

Southern beet webworm, see *Herpetogramma bipunctalis*

Southern cabbageworm, see *Pieris protodice*

Southern corn rootworm, see *Diabrotica undecimpunctata howardi*

Southern cornstalk borer, see *Diatraea crambidoides*

Southern green stink bug, see *Nezara viridula* or *Nezara viridula smaragdula*

Southern pine sawyer, see *Monochamus titillator*

Southwestern corn borer, see *Diatraea grandiosella*

Southwestern tent caterpillar, see *Malacosoma incurvum*

Soybean looper, see *Pseudoplusia includens*

Spaelotis (Lep.: Noctuidae)

clandestina: *Periscepsia rohweri*, *Winthemia rufopicta*.

Sparganothis (Lep.: Tortricidae)

distincta: *Blondelia eufitchiae*.

pettitana: *Lypha* sp., Tachinidae.

sulfureana: *Erynnia tortricis*, *Nemorilla pyste*.

"*Sparganothis sulfurana*," see *Sparganothis sulfureana*

Speyeria (Lep.: Nymphalidae)

cybele: *Madremyia saundersii*.

Sphacophilus (Hym.: Argidae)

cellularis: "*Hypostena floridensis*," *Schizocerophaga leiby*,
Tachinidae.

Spharagemon (Orth.: Acrididae)

collare: Tachinidae.

Sphecodina (Lep.: Sphingidae)

"*abbottii*," see *S. abbottii*.

abbottii: *Compsilura concinnata*, *Eusisyropa blanda*.

Spheophorus (Col.: Curculionidae)

incurrens: *Myiophasia metallica*, Tachinidae.

parvulus: *Myiophasia "aenea."*

pontederiae: *Lixophaga variabilis*.

robustus: *Myiophasia robusta*.

Sphingicampa bicolor, see *Syssphinx bicolor*

Sphingid on *Populus trichocarpa*, see *Pachysphinx modesta*

Sphingidae (Lep.: Sphingidae)

Unidentified: *Compsilura concinnata*, *Drino balloui*, *D. inca*, *D. incompta*, *D. rhoeo*, *Leschenaultia leucophrys*, *Lespesia frenchii*, *Winthemia quadripustulata*, *W. rufopicta*, "Zenillia" spp.

Sphinx (Lep.: Sphingidae)

carolina, see *Manduca sexta*.

chersis: *Compsilura concinnata*, *Drino incompta*, *Euphorocera claripennis*, *Leschenaultia leucophrys*, *Lespesia frenchii*, Tachinidae.

convolvuli, native species of the same group as, see *Agrius convolvuli*.

drupiferarum: *Compsilura concinnata*, *Winthemia datanae*, Tachinidae.

gallii intermedia, see *Hyles gallii*.

gordius: *Compsilura concinnata*, *Winthemia datanae*, Tachinidae.

gordius probably: *Winthemia quadripustulata*.

kalmiae: *Lespesia frenchii*, Tachinidae.

lineata, see *Hyles lineata*.

luscitiosa: *Metaplagia occidentalis*.

spp., see Sphingidae, unidentified or *S. spp.*

spp.: *Lespesia archippivora* probably, *Winthemia deilephilae* probably.

Sphinx moth(-s) (Lep.: Sphingidae)

Sphinx moth(-s): *Drino balloui*, *D. rhoeo*, *D. sp.*

"Sphynx" moth, see Sphinx moth(-s)

Spicebush swallowtail, see *Papilio troilus*

Spilonota (Lep.: Olethreutidae)

ocellana: *Actia diffidens*, *Blondelia eufitchiae*, *Mericia* spp., *Nemorilla pyste*, *Pseudoperichaeta erecta*, *Winthemia quadripustulata*.

Spilosoma acrea, see *Estigmene acrea*

Spilosoma virginica, see *Diacrisia virginica*

Spinach flea beetle, see *Disonycha xanthomelas*

Spined soldier bug, see *Podisus maculiventris*

Spodoptera (Lep.: Noctuidae)

dolichos: *Winthemia quadripustulata*, Tachinidae.

eridania: *Choeteprosopa hedemanni*, *Euphorocera claripennis*, *Gonia crassicornis*, *Winthemia quadripustulata*, *W. rufopicta*, Tachinidae.

exempta: *Archytas cirphis*, *Chaetogaedia monticola*, *Eucelatoria armigera*, *Lespesia archippivora*.

exigua: *Chaetogaedia monticola*, *Eucelatoria armigera*, *E. rubentis*, *Gonia crassicornis*, *Lespesia archippivora*.

frugiperda: *Admontia degeerioides*, *Archytas apicifer*, *A. incertus*, *A. marmoratus*, *A. metallicus*, *A. spp.* (including *A. apicifer* and/or *A. californiae*), *Bonnetia comta*, *Carcelia amplexa*, *Eucelatoria armigera*, *Euphorocera claripennis*, *E. floridensis*, *Eusisyropa blanda*, *Gonia crassicornis*, *G. sequax*, *G. texensis*, *G. spp.*, *Hyphantraphaga hyphantriae*, *Lespesia aletiae*, *L. archippivora*, *L. archippivora* probably, *L. spp.*, *Lixophaga diatraeae*, *Nemorilla pyste*, *Palexorista laxa*, *Voria ruralis*, *Winthemia abdominalis*, *W. infesta*, *W. leucanae*, *W. quadripustulata*, *W. rufopicta*, *W. sinuata*, Tachinidae.

latifascia: *Archytas marmoratus*.

latifascia probably: *Archytas marmoratus*.

mauritiae: *Archytas cirphis*, *Chaetogaedia monticola*, *Eucelatoria armigera*, *Lespesia archippivora*.

mauritiae acronyctoides, see *S. mauritia*.

ornithogalli: *Archytas spp.* (including *A. apicifer* and/or *A. californiae*), *Choeteprosopa hedemanni*, *Euphorocera omissa*, *E. tachinomoides*, *Lespesia aletiae*, *L. archippivora*, *Omotoma fumiferanae*, *Winthemia quadripustulata*, *W. rufopicta*, *W. spp.*, Tachinidae.

ornithogalli probably: *Archytas spp.* (including *A. apicifer* and/or *A. californiae*).

praefica: *Archytas californiae*, *Eucelatoria armigera*, *Euphorocera claripennis*, *Lespesia archippivora*.

spp.: *Archytas spp.*, *Lespesia archippivora*.

Spotted beet webworm, see *Hymenia perspectalis*

Spotted cucumber beetle, see *Diabrotica undecimpunctata howardi*

Spotted cutworm, see *Amathes c-nigrum*

Spotted tussock moth, see *Halisidota maculata*

Spring cankerworm, see *Paleacrita vernata*

Spruce budworm, see *Choristoneura fumiferana*

Spruce coneworm, see *Dioryctria reniculella*

Spruce sawfly, see *Diprion hercyniae* or *Diprion polytomum*

Squash beetle, see *Epilachna borealis*

Squash borer moth, see *Melittia cucurbitae* probably

Squash bug, see *Anasa tristis*

Squash vine borer, see *Melittia cucurbitae*

Stagmomantis (Orth.: Mantidae)

carolina: Tachinidae.

Stalk borer, see *Papaipema nebris*

Stenocorus (Col.: Cerambycidae)

inquisitor, see *S. inquisitor inquisitor*.

inquisitor inquisitor: *Eutheresia nipigonensis*, *E. satisfacta* probably, *E. trivittata*.

inquisitor lineatus probably: *Ptilodexia canescens*.

Stenoma (Lep.: Stenomidae)

algidella, see *Antaeotricha leucillana*.

spp.: *Lixophaga stenomae*.

Stenopelmatus (Orth.: Gryllacrididae)

pictus: *Stomatomyia parvipalpis*.

Sterictiphora (Hym.: Argidae)

cellularis, see *Sphacophilus cellularis*.

collaris, see *Sphacophilus cellularis*.

sp.: "*Hypostena floridensis*."

Stibadium (Lep.: Noctuidae)

spumosum: *Lixophaga variabilis*.

Stilpnotia (Lep.: Lymantriidae)

salicis: *Blepharipa scutellata*, *Compsilura concinnata*, *Euphorocera claripennis*, *Eusisyropa blanda*, *Exorista mella*, *Lespesia aletiae*, *L. frenchii*, *Parasetigena agilis*, *Tachinomyia similis*, *T. spp.*, *Winthemia quadripustulata*, Tachinidae.

Strawberry crown moth, see *Synanthedon bibionipennis*

Strawberry leafroller, see *Ancylis comptana fragariae*

Striped alder sawfly, see *Hemichroa crocea*

Striped cucumber beetle, see *Acalymma vittata*

Striped garden caterpillar, see *Polia legitima*

Strongylogaster (Hym.: Tenthredinidae)

sp.: *Bessa harveyi*.

Strymon (Lep.: Lycaenidae)

calanus: *Aplomya theclarum*.

falacer: *Aplomya theclarum*.

melinus: *Aplomya theclarum*, *Lespesia* spp.

ontario autolytus: *Nemorilla pyste*.

Sugarbeet crown borer, see *Hulstia undulatella*

Sugarbeet webworm, see *Loxostege sticticalis*

Sugarcane beetle, see *Euetheola rugiceps*

Sugarcane borer, see *Diatraea saccharalis*

Sugarcane leafroller, see *Hedylepta accepta*

Sugarcane moth borer, see *Diatraea saccharalis*

Suleima (Lep.: Olethreutidae)

helianthana: *Clausicella floridensis*, *Lixophaga mediocris*, *L. variabilis*.

Sunflower moth, see *Homoeosoma electellum*

Swaine jack pine sawfly, see *Neodiprion swaini*

Sweetpotato hornworm, see *Agrius cingulatus*

Sweetpotato leafroller, see *Pilocrocis tripunctata*

Sycamore tussock moth, see *Halisidota harrisii*

Sylepta helcitalis, see *Asciodes anormalis* probably

Sylvora (Lep.: Aegeriidae)

acerni: *Bonnetia* sp., *Copecrypta* sp.

Symmerista (Lep.: Notodontidae)

albifrons: *Blepharipa scutellata*, *Compsilura concinnata*,
Winthemia spp., Tachinidae.

canicosta: *Compsilura concinnata*, *Euphorocera edwardsii*.

Synanthedon (Lep.: Aegeriidae)

bibionipennis: *Parafischeria eucerata*, *Sipholeskia occidentalis*.

Synchloe lacinia, see *Chlosyne lacinia*

Synchlora (Lep.: Geometridae)

rubrifrontaria, see *S.* spp. (including *S. aerata* and/or *S. liquoraria albolineata*).

spp. (including *S. aerata* and/or *S. liquoraria albolineata*):
Phryxe pecosensis probably.

"*Synclora*" *rubrifrontaria*, see *Synchlora* spp. (including *S. aerata*
and/or *S. liquoraria albolineata*)

Syntomeida (Lep.: Ctenuchidae)

epilais: *Euphorocera floridensis*, *Lespesia aletiae*.

epilais jucundissima: *Lespesia* spp.

Syssphinx (Lep.: Saturniidae)

bicolor: *Lespesia frenchii*.

Tabanid larva, see *Tabanus trimaculatus*

Tabanidae (Dipt.: Tabanidae)

Unidentified: *Opsotheresia bigelowi*, Tachinidae.

Tabanus (Dipt.: Tabanidae)

fulvicallus: *Carinosillus tabanivorus*.

fumipennis: *Phasiops flavus* probably.

lasiophthalma, see *Hybomitra lasiophthalma*.

marginalis: *Carinosillus tabanivorus*.

petiolatus: *Phasiops flavus*.

petiolatus probably: *Phasiops flavus*.

reinwardtii: *Carinosillus tabanivorus*.

reinwardtii probably: *Vibrissotheresia pechumani*.

trimaculatus: *Carinosillus tabanivorus*, *Phasiops flavus*,
"Phorostoma" spp.

trimaculatus probably: *Phasiops flavus*.

spp.: *Ormia punctata*, *Phasiops flavus*.

Taeniocampa rufula, see *Protorthodes rufula*

- Tarnished plant bug, see *Lygus lineolaris*
- Telea polyphemus*, see *Antheraea polyphemus*
- "Telphusa" (Lep.: Gelechiidae)
 sp. probably: *Psilidopteryx slossonae*.
- Tenodera** (Orth.: Mantidae)
 australasiae: *Trichopoda pennipes* probably.
- Tent caterpillar(-s) (Lep.: Lasiocampidae)
 Tent caterpillar(-s): *Archytas* spp. (including *A. apicifer* and/or *A. californiae*), *Exorista mella*, *Leschenaultia exul*, *Lespesia archippivora*, *L. frenchii*, *Winthemia rufopicta*.
- Tenthredinidae** (Hym.: Tenthredinidae)
 Unidentified: *Bessa harveyi*, *Carcelia malacosomae*, "Gymnostylia" sp., *Lixophaga variabilis*, *Pseudomyoathyria* spp.
- Tenthredinoidea** (Hym.: Unidentified Hymenoptera)
 Tenthredinoidea: *Compsilura concinnata*.
- Tenthredo** sp., see Sawfly(-flies)
- Tephroclystis absynthiata**, see *Eupithecia coagulata* probably
- Teras minuta** var. *cinderella*, see *Acleris minuta*
- Tethida** (Hym.: Tenthredinidae)
 cordigera: Tachinidae.
- Tetralopha** (Lep.: Pyralidae)
 asperatella: *Eufrentina spectabilis*, *Metopiops* sp. near *pyralidis*, *Nemorilla pyste*.
 sp. near *asperatella*: *Leskiomima tenera*.
 robustella: *Eufrentina spectabilis*, *Eusisyropa blanda*.
 scabridella, see *Pococera scabridella*.
 scortealis: *Frontiniella parancilla*.
 subcanalis: *Genea aurea*, Tachinidae.
- Tetraonyx** (Col.: Meloidae)
 quadrimaculata: *Gonia frontosa*.
- Tettigoniidae** (Orth.: Tettigoniidae)
 Unidentified: *Calodexia fumosa*.
- Thanaos brizo**, see *Erynnis brizo*
- Thanaos** spp., see *Erynnis* spp.
- Thanasimus** (Col.: Cleridae)
 dubius: Tachinidae.
- Thecla autolycus**, see *Strymon ontario autolycus*
- Thecla calanus**, see *Strymon calanus*
- Thecla inornata**, see *Strymon falacer*
- Thecla "inornata,"** see *Strymon falacer*
- Thera** (Lep.: Geometridae)
 juniperata: *Blondelia eufitchiae*.

- procteri*, see *T. juniperata*.
- Thistle butterfly, see *Vanessa cardui*
- Threelined leafroller, see *Pandemis limitata*
- Thyanta** (Hem. (Heter.): Pentatomidae)
accerra: *Trichopoda pennipes*.
perditor: *Trichopoda pennipes*.
- Thylochromus** (Hem. (Heter.): Lygaeidae)
nitidulus: *Catharosia lustrans*.
- Thymelicus** (Lep.: Hesperidae)
lineola: *Compsilura concinnata*, *Euexorista futilis*, *Helioplagia slossonae*, *Phryxe pecosensis*, *Winthemia militaris*, *W. sinuata*, Tachinidae.
- Thyridopteryx** (Lep.: Psychidae)
"ephemerae formis," see *T. ephemeraeformis*.
ephemeraeformis: *Archytas aterrimus*, *Drino rhoeo*, *Erynnia tortricis*, *Euphorocera claripennis*, *Eusisyropa blanda*, *E. virilis*, *Patelloa leucaniae*, "Tachina" spp., Tachinidae.
"ephemeroeformis," see *T. ephemeraeformis*.
meadii: *Euphorocera tachinomoides*.
- Tibicen septendecim**, see *Magicycada septendecim*
- Tiger swallowtail, see *Papilio glaucus*
- Tigrioides** (Lep.: Arctiidae)
bicolor: *Pseudochaeta argentifrons*.
- Tineidae** (Lep.: Tineidae)
Unidentified: *Schizactia vitinervis*, "Tachinophyto" spp.
- Tipula** (Dipt.: Tipulidae)
abdominalis: *Admontia degeerioides*, *A. pergandei*.
caloptera: *Siphona geniculata*.
cunctans: *Admontia pergandei*.
infuscata, see *T. cunctans*.
paludosa: *Siphona geniculata*.
simplex: Tachinidae.
[sp.], see Tipulidae, unidentified.
- Tipulidae** (Dipt.: Tipulidae)
Unidentified: *Dexia limata*, *Pilatea arator*.
- Tipulini** (Dipt.: Tipulidae)
Unidentified: "Sturmia tipulensis."
- Titanio** (Lep.: Pyralidae)
belialis: *Eucoronimyia hastata*.
- Tlascala** (Lep.: Pyralidae)
reductella: *Aphria ocypterata*.
- Tobacco budworm, see *Heliothis virescens*
- [Tobacco] hornworm, see *Manduca sexta*

Tolyte (Lep.: Lasiocampidae)

laricis: *Exorista mella*, *Winthemia sinuata*.

velleda: *Exorista mella*.

Tomato fruitworm, see *Heliothis zea*

Tomato hornworm, see *Manduca quinquemaculata*

Tomostethus (Hym.: Tenthredinidae)

multicinctus: *Hyalurgus* sp.

Tortricid (Lep.: Tortricidae)

spp. (including *Amorbia humerosana*, *Archips argyrospilus*, *A. semiferranus*, *Argyrotaenia quadrifasciana*, *Choristoneura fractivittana*, *C. rosaceana* and/or *Pandemis limitata*): *Aplomya caesar*, *Pseudoperichaeta erecta*.

spp. (including *Archips* spp. and/or *Choristoneura* spp.): *Aplomya caesar*.

Tortricidae (Lep.: Tortricidae)

Unidentified: *Actia interrupta*, *Bessa harveyi*, *Blondelia eufitchiae*, *Erynnia tortricis*, *Eusisyropa blanda*, *Hemisturmia tortricis*, *Nemorilla pyste*.

Unidentified probably: *Erynnia tortricis*.

Tortricidia (Lep.: Limacodidae)

flexuosa: *Anaporia limacodis*.

Tortrix albicomana probably, see *Croesia albicomana* probably

Tortrix alleniana, see *Aphelia alleniana*

Tortrix citrana, see *Argyrotaenia citrana*

Tortrix "fum-ferana," see *Choristoneura fumiferana*

Tortrix fumiferana, see *Choristoneura fumiferana*

Tortrix packardianus, see *Archippus packardianus*

Tortrix pallorana, see *Xenotemna pallorana*

Tortrix "parckardiana," see *Archippus packardianus*

Tortrix spp., see *Archips* spp. and/or *Choristoneura* spp., or Tortricidae, unidentified

Trachea turbulenta, see *Phosphila turbulenta*

Trichiocampus (Hym.: Tenthredinidae)

irregularis: *Bessa harveyi*.

viminalis: *Bessa harveyi*, *Compsilura concinnata*.

sp.: *Bessa harveyi*.

Trichiosoma (Hym.: Cimbicidae)

sp.: *Aplomya trichiosomae*.

Trichobaris (Col.: Curculionidae)

compacta: *Myiophasia "aenea."*

trinotata: *Myiophasia globosa*.

Trichoplusia (Lep.: Noctuidae)

ni: *Archytas californiae*, *Compsilura concinnata*, *Eucelatoria armigera*, *Eusisyropa autographae*, *Lespesia aletiae*, *L.*

archippivora, *L. spp.*, *Lixophaga variabilis*, *Madremyia saundersii*, *Nemorilla pyste*, *Periscepsia helymus*, "Phorocera" spp., *Phryxe vulgaris*, *Siphona plusiae*, *S. spp.*, "Tachina" spp., *Voria ruralis*, *V. ruralis* probably, *Winthemia quadripustulata*, *W. rufopicta*, Tachinidae.

Trichoptilus (Lep.: Pterophoridae)

lobidactylus: Tachinidae.

Trichostiba parvula, see *Urodus parvulus*

Trirhabda (Col.: Chrysomelidae)

bacharidis: *Celatoria diabroticae*.

Tropaea luna, see *Actias luna*

True armyworm, see *Pseudaletia unipuncta*

Tuber moth(-s) (Lep.: Unidentified Lepidoptera)

Tuber moth(-s): *Lydellohoughia tennella*.

Turuptiana (Lep.: Arctiidae)

permaculata: *Carcelia malacosomae*, *C. malacosomae* probably, *Chaetona* sp., "Nemoraeta" sp., *Thelaira* spp.

Tussock moth(-s) (Lep.: Lymantriidae)

Tussock moth(-s): *Carcelia amplexa*, *Compsilura concinnata*, *Euphorocera claripennis*, *Exorista mella*, *E. spp.*, *Lespesia aletiae*, *Winthemia quadripustulata*, Tachinidae.

Tussock moth(-s) probably: *Thelymyia mathesoni*.

12-spotted squash beetle, see *Diabrotica undecimpunctata undecimpunctata*

Twostriped grasshopper, see *Melanoplus bivittatus*

Twostriped walkingstick, see *Anisomorpha buprestoides*

Tyria (Lep.: Arctiidae)

jacobaeae: *Lespesia archippivora*.

Udea (Lep.: Pyralidae)

rubigalis: "Phorocera parva."

Uglynest caterpillar, see *Archips cerasivoranus*

Unicorn caterpillar, see *Schizura unicornis*

Uranotes melinus, see *Strymon melinus*

Urbanus (Lep.: Hesperidae)

proteus: *Chrysotachina alcedo*, *Lespesia aletiae*, *Nemorilla pyste*.

Urodus (Lep.: Yponomeutidae)

parvulus: *Euceromasia floridensis*, *Eusisyropa boarmiae*, Tachinidae.

Utetheisa (Lep.: Arctiidae)

bella, see *U. ornatrix bella*.

ornatrix bella: *Euphorocera claripennis*, *Gymnocarcelia ricinorum*, *Lespesia aletiae*, Tachinidae.

- venusta*: *Lixophaga diatraeae*.
- "*Utethesia*" *bella*, see *Utetheisa ornatrix bella*
- Vagabond crambus, see *Crambus vulgivagellus*
- Valentinia (Lep.: Blastobasidae)
- glandulella*: "*Hypostena floridensis*."
- "*Vanassa*" *atalanta*, see *Vanessa atalanta*
- "*Vanassa*" *cardui*, see *Vanessa cardui*
- Vanessa (Lep.: Nymphalidae)
- antiopa*, see *Nymphalis antiopa*.
- atalanta*: *Compsilura concinnata*, *Euexorista futilis*, *Eusisyropa blanda*, *E. virilis*, *Lespesia archippivora*, *L. frenchii*, *Pelatachina pellucida*, *Sisyropa eudryae*, *S. eudryae* probably.
- cardui*: *Chaetogaedia monticola*, *Euexorista futilis*, *Eusisyropa blanda*, *Lespesia aletiae*, *L. archippivora*, *L. archippivora* probably *L. frenchii*, *L. spp.*, *Madremyia saundersii*, *Metopiops pyralidis*.
- "*caryae*," see *V. carye*.
- carye*: *Lespesia archippivora*, *Madremyia saundersii*.
- huntera*, see *V. viriniensis*.
- milberti*, see *Nymphalis milberti*.
- tammeamea*: *Chaetogaedia monticola*.
- viriniensis*: *Compsilura concinnata*.
- spp.*: *Euexorista futilis*.
- Variable oakleaf caterpillar, see *Heterocampa manteo*
- Variegated cutworm, see *Peridroma saucia*
- "Varigated" cutworm, see *Peridroma saucia*
- Vegetable weevil, see *Listroderes costirostris obliquus*
- Velvetbean caterpillar, see *Anticarsia gemmatalis*
- Verbena bud moth, see *Endothenia hebesana*
- Vespa (Lep.: Aegeriidae)
- pini*: "*Tachina*" *spp.*, *Xanthophyto labis*.
- Viceroy, see *Limenitis archippus*
- Violet sawfly, see *Ametastegia pallipes*
- Walkingstick, see *Diapheromera femorata*
- Walnut caterpillar, see *Datana integerrima*
- Walnut *Datana*, see *Datana spp.*
- Walnut sphinx, see *Cressonia juglandis*
- Weevil borer, see *Rhabdoscelus obscurus*
- Weevils other than *Anthonomus grandis*, see Curculionidae, unidentified
- Western brown stink bug, see *Euschistus impictiventris*
- Western grapeleaf skeletonizer, see *Harrisina brillians*
- Western hemlock looper, see *Lambdina fiscellaria lugubrosa*

- Western oak looper, see *Lambdina fiscellaria somniaria*
- Western spotted cucumber beetle, see *Diabrotica undecimpunctata undecimpunctata*
- Western spruce budworm, see *Choristoneura occidentalis*
- Western striped cucumber beetle, see *Acalymma trivittata*
- Western tent caterpillar, see *Malacosoma californicum*
- Western tussock moth, see *Hemerocampa vetusta*
- Western yellowstriped armyworm, see *Spodoptera praefica*
- Wheat bug(-s) (Hem. (Heter.): Pentatomidae)
- Wheat bug(-s): *Gymnosoma fuliginosum*.
- Wheat head armyworm, see *Faronta diffusa*
- White cutworm, see *Euxoa scandens*
- White grub, see *Phyllophaga anxia* or White grub(-s)
- White grub(-s) (Col.: Scarabaeidae)
- White grub(-s): *Microphthalma disjuncta*, *M. michiganensis*, *M. spp.*
- Whitemarked tussock moth, see *Hemerocampa leucostigma*
- White pine sawfly, see *Neodiprion pinetum*
- White pine weevil, see *Pissodes strobi*
- Whitespotted sawyer, see *Monochamus scutellatus*
- White woolly bear(-s) (Lep.: Arctiidae)
- White woolly bear(-s): *Winthemia quadripustulata*.
- Willow sawfly, see *Nematus ventralis*
- Winter moth, see *Operophtera brumata*
- W-marked cutworm, see *Spaelotis clandestina*
- Woolly bear(-s) (Lep.: Arctiidae)
- Woolly bear(-s): *Leschenaultia spp.*
- "Xanthopastes" *timais*, see *Xanthopastis timais*
- Xanthopastis (Lep.: Noctuidae)
- timais*: *Lespesia aletiae*.
- Xenotemna (Lep.: Tortricidae)
- pallorana*: *Actia interrupta*, *Lixophaga plumbea*.
- Xerociris (Lep.: Noctuidae)
- wilsoni*: *Lespesia testacea*.
- Xubida *dentilineatella*, see *Acigona dentilineatella*
- Xylena (Lep.: Noctuidae)
- nupera*: *Madremyia saundersii*, *Winthemia quadripustulata*, *W. rufopicta*.
- spp.*: *Compsilura concinnata*, *Wagneria vernata*.
- Xylina *antennata*, see *Lithophane antennata*
- Xylina *sp.*, see *Xylena spp.*
- "Xylomiges" *eridania*, see *Spodoptera eridania*
- "Xylomiges" *sunia*, see *Prodenia sunia*
- Xylomyges *eridania*, see *Spodoptera eridania*

Xyloryctes (Col.: Scarabaeidae)

sp.: *Mystacella chrysoprocta*.

Yellowheaded fireworm, see *Acleris minuta*

Yellowheaded spruce sawfly, see *Pikonema alaskensis*

Yellownecked caterpillar, see *Datana ministra*

Yellowstriped armyworm, see *Spodoptera ornithogalli*

Yellow woollybear, see *Diacrisia virginica*

Yponomeuta (Lep.: Yponomeutidae)

malinella: *Nemorilla pyste*.

multipunctella: *Nemorilla pyste*.

padella: *Nemorilla pyste*.

Zadiprion (Hym.: Diprionidae)

vallicola: *Spathimeigenia mexicana*.

Zeadiatraea (Lep.: Pyralidae)

lineolata: *Lixophaga diatraeae*, *Paratheresia claripalpis*, *P.* spp.

lineolata probably: *Paratheresia claripalpis*, "Phorostoma" spp.

Zebra caterpillar, see *Ceramica picta*

Zeiraphera (Lep.: Olethreutidae)

ratzeburgiana: *Phytomyptera walleyi*.

Zerene (Lep.: Pieridae)

"catenaria": Tachinidae.

Zinckenia fascialis, see *Hymenia recurvalis*

Zinckenia perspectalis, see *Hymenia perspectalis*

Zygaenidae (Lep.: Zygaenidae)

Unidentified: *Euphorocera subnitens* probably.

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When two or more authors have the same surname, an asterisk precedes the name of the author whose article was first indexed. No initials are given in the bibliographic citations for this author in the section on parasites. The second and subsequent authors with the same surname do not have an asterisk preceding their names, but their initials are given in the bibliographic citations.

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